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CZECH REPUBLIC	844 000 844	www.samsung.com/cz
	Distributor pro Českou republiku: Samsung Zrt., česka organizační složka Vyskočilova 4, 14000 Praha 4	
DENMARK	70 70 19 70	www.samsung.com/dk
EIRE	0818 717 100	www.samsung.com/ie
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ITALIA	800-SAMSUNG (726-7864)	www.samsung.com
LUXEMBURG	0035 (0)2 261 03 710	www.samsung.com/be
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PORTUGAL	80820-SAMSUNG (726-7864)	www.samsung.com/pt
SLOVAKIA	0800-SAMSUNG (726-7864)	www.samsung.com/sk
SPAIN	902 10 11 30	www.samsung.com
SWEDEN	0771-400 200	www.samsung.com/se
SWITZERLAND	0800-SAMSUNG (726-7864)	www.samsung.com/ch
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KAZAHSTAN	8-10-800-500-55-500	www.samsung.kz
KYRGYZSTAN	00-800-500-55-500	-
RUSSIA	8-800-555-55-55	www.samsung.ru
TADJIKISTAN	8-10-800-500-55-500	-
UKRAINE	8-800-502-0000	www.samsung.com
UZBEKISTAN	8-10-800-500-55-500	www.samsung.uz

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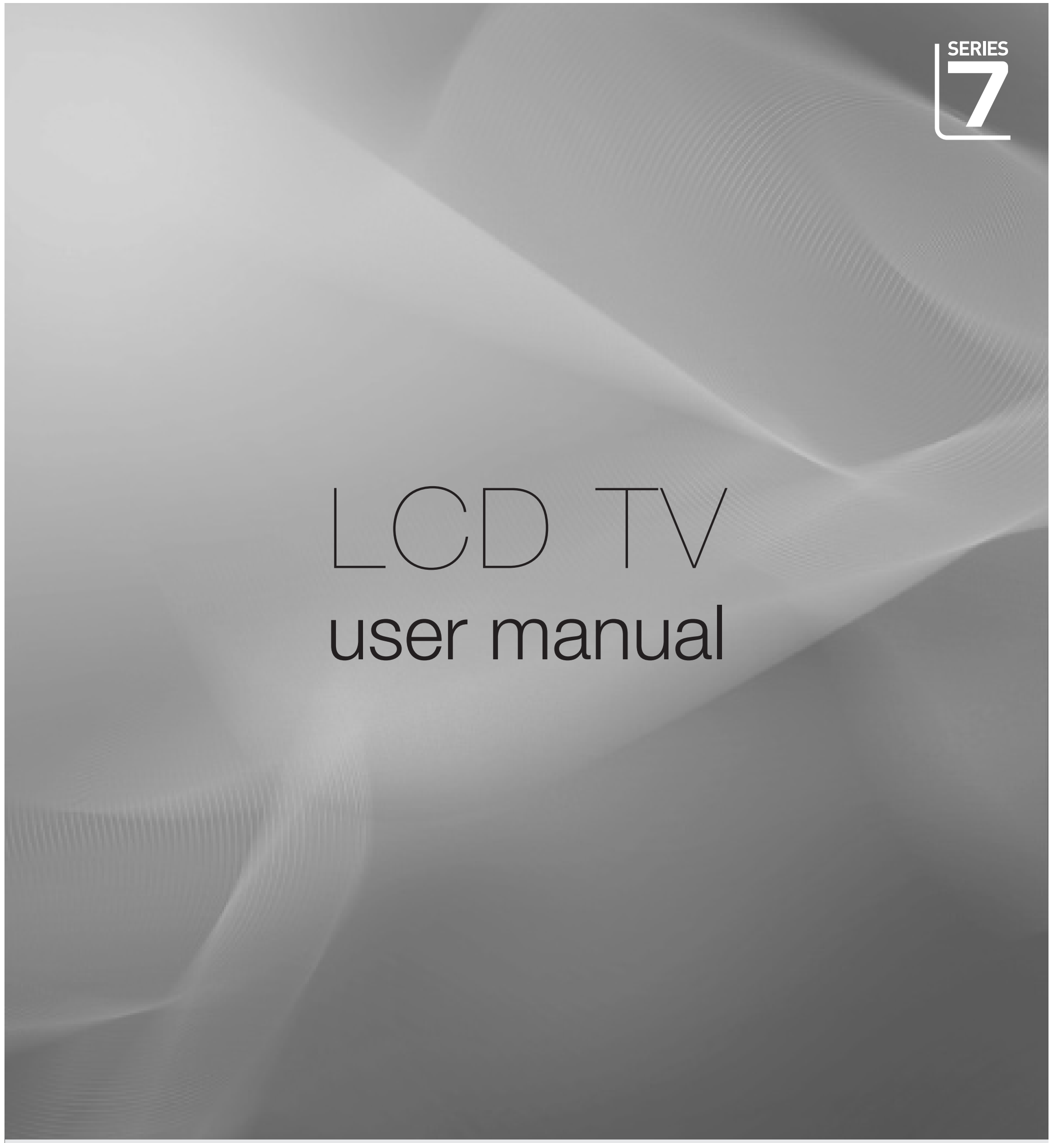

SERIES 7

LCD TV
user manual

imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service, please register your product at

www.samsung.com/global/register

Model ____________ Serial No. ____________

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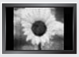
Precautions When Displaying a Still Image

A still image may cause permanent damage to the TV screen.

- Do not display a still image on the LCD panel for more than 2 hours as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.
-  Watching the LCD TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and center of the screen caused by the difference of light emission on the screen. Playing a DVD or a game console may cause a similar effect to the screen. Damages caused by the above effect are not covered by the Warranty.
- Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images.
  To prevent this effect, reduce the ‘brightness’ and ‘contrast’ when displaying still images.

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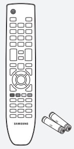
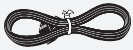
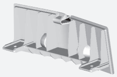
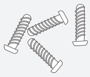
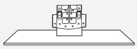
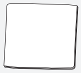
Symbol ▲ Press ➢ Note ☝ One-Touch Button

List of Parts

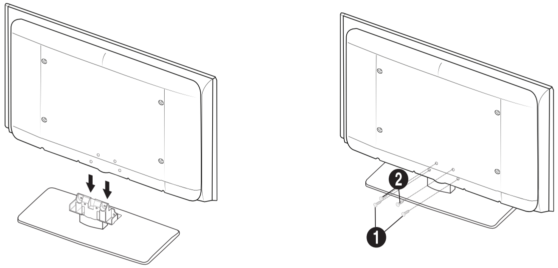
Please make sure the following items are included with your LCD TV.
If any items are missing, contact your dealer.

			 M4 X L18		
Remote Control & Batteries (AAA x 2)	Power Cord	Cover-Bottom	Stand Screw X 4	Stand	Cleaning Cloth

- Owner's Instructions
- Warranty card
- Safety Guide

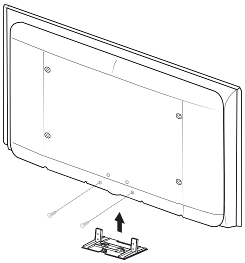
➢ Warranty card / Safety Guide (Not available in all locations)

Installing the Stand



1. Connect your LCD TV and the stand.
   - ➢ Two or more people should carry the TV.
   - ➢ Make sure to distinguish between the front and back of the stand when assembling them.
2. Fasten two screws at position ❶ and then fasten two screw at position ❷.
   - ➢ Stand the product up and fasten the screws. If you fasten the screws with the LCD TV placed down, it may lean to one side.

Installing the Wall Mount Kit

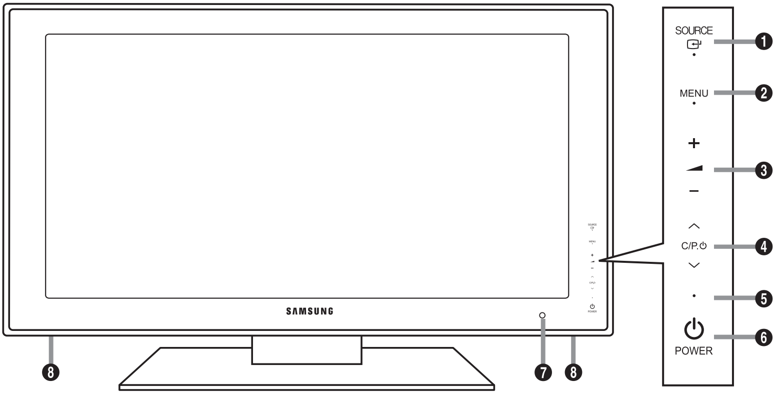


Wall mount items (sold separately) allow you to mount the TV on the wall.
For detailed information on installing the wall mount, see the instructions provided with the Wall Mount items.
Contact a technician for assistance when installing the wall mounted bracket.
Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV on your own.

Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

➢ Remove the stand and cover the bottom hole with a cap and fasten with two screws.

Viewing the Control Panel



Front Panel buttons
Touch each button to operate.

➢ The product colour and shape may vary depending on the model.

❶ **SOURCE ⎆**
Toggles between all the available input sources (TV, Ext.1, Ext.2, AV, S-Video, Component, PC, HDMI1, HDMI2, HDMI3, HDMI4, DTV). In the on-screen menu, use this button as you use the **ENTER⎆** button on the remote control.

❷ **MENU**
Press to see an on-screen menu of your TV’s features.

❸ **− ◢ +**
Press to decrease or increase the volume. In the on-screen menu, use the − ◢ + buttons as you use the ◀ and ▶ buttons on the remote control.

❹ **∨ C/P. ⏻ ∧**
Press to change channels.
In the on-screen menu, use the ∨ **C/P.** ⏻ ∧ buttons as you use the ▼ and ▲ buttons on the remote control.
(Without the Remote Control, you can turn on the TV by using the Channel buttons.)

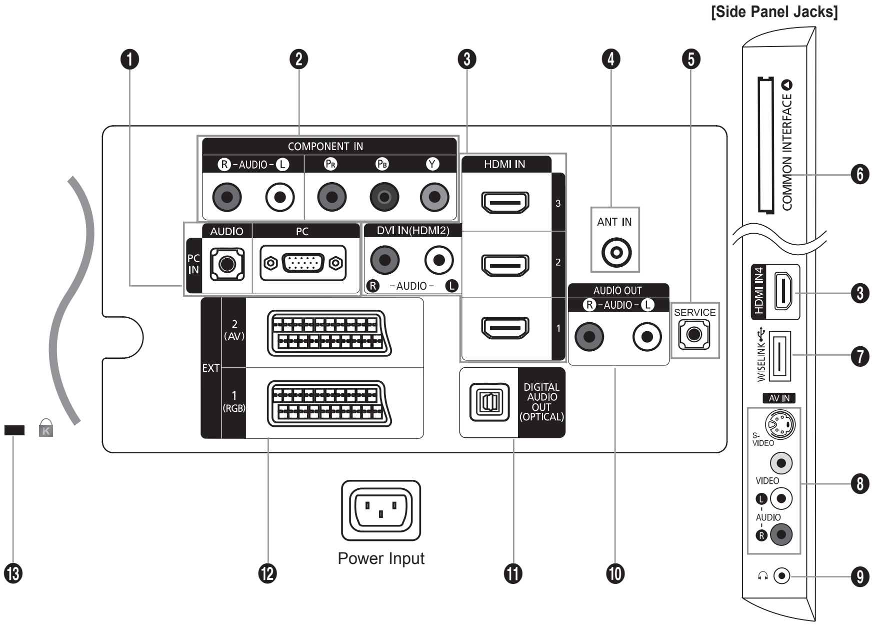
❺ **POWER INDICATOR**
Blinks and turns off when the power is on and lights up in stand-by mode.

❻ **⏻ POWER**
Press to turn the TV on and off.

❼ **REMOTE CONTROL SENSOR**
Aim the remote control towards this spot on the TV.

❽ **SPEAKERS**

Viewing the Connection Panel


[Side Panel Jacks]
❶
❷
❸
❹
❺
COMPONENT IN
R - AUDIO - L
PR
PB
Y
HDMI IN
3
2
1
ANT IN
AUDIO
PC
PC IN
DVI IN(HDMI2)
R - AUDIO - L
AUDIO OUT
R - AUDIO - L
SERVICE
EXT
2 (AV)
1 (RGB)
DIGITAL AUDIO OUT (OPTICAL)
Power Input
COMMON INTERFACE
❻
HDMI IN4
❸
WISELINK
❼
AV IN
S-VIDEO
VIDEO
L
AUDIO
R
❽
❾
⓭
⓬
⓫
❿

➣ The product colour and shape may vary depending on the model.

➣ Whenever you connect an external device to your TV, make sure that power on the unit is turned off

➣ When connecting an external device, match the colour of the connection terminal to the cable.

❶ PC IN [PC] / [AUDIO]

- Connect to the video and audio output jack on your PC.

❷ COMPONENT IN

- Connect component video cables (optional) to component connector ("PR", "PB", "Y") on the rear of your set and the other ends to corresponding component video out connectors on the DTV or DVD.
- If you wish to connect both the Set-Top Box and DTV (or DVD), you should connect the Set-Top Box to the DTV (or DVD) and connect the DTV (or DVD) to component connector ("PR", "PB", "Y") on your set.
- The PR, PB and Y connectors on your component devices (DTV or DVD) are sometimes labeled Y, B-Y and R-Y or Y, Cb and Cr.
- Connect RCA audio cables (optional) to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio out connectors on the DTV or DVD.

❸ HDMI IN 1, HDMI IN 2, HDMI IN 3, HDMI IN 4

- Supports connections between HDMI-connection-enabled AV devices (Set-Top Boxes, DVD players)
- No additional Audio connection is needed for an HDMI to HDMI connection.
- When using an HDMI/DVI cable connection, you must use the HDMI IN 2 jack.

➣ What is HDMI?

- “High Definition Multimedia interface” allows the transmission of high definition digital video data and multiple channels of digital audio.
- The HDMI/DVI terminal supports DVI connection to an extended device with the appropriate cable (not supplied). The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports multi - channel digital audio.

➣ The TV may not output sound and pictures may be displayed with abnormal colour when DVD players/Cable Boxes/Satellite receivers supporting HDMI versions older than 1.3 are connected. When connecting an older HDMI cable and there is no sound, connect the HDMI cable to the HDMI IN 2 jack and the audio cables to the DVI IN (HDMI2) [R-AUDIO-L] jacks on the back of the TV. If this happens, contact the company that provided the DVD player/Cable Box/Satellite receiver to confirm the HDMI version, then request a firmware update. HDMI cables that are not 1.3 may cause annoying flicker or no screen display.

DVI IN(HDMI2) [R-AUDIO-L]

- DVI audio outputs for external devices.

➣ Supported modes for HDMI/DVI and Component

	480i	480p	576i	576p	720p	1080i	1080p
HDMI/DVI 50Hz	X	X	X	O	O	O	O
HDMI/DVI 60Hz	X	O	X	X	O	O	O
Component	O	O	O	O	O	O	O

❹ ANT IN

To view television channels correctly, a signal must be received by the set from one of the following sources:

- An outdoor aerial / A cable television network / A satellite network

❺ SERVICE

- Connector for SERVICE only.
- Connect this to the jack on the optional wall mount bracket. This will allow you to adjust the TV viewing angle using your remote control.

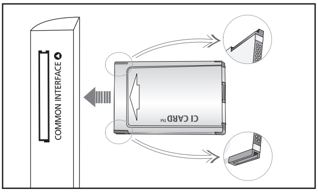
❻ COMMON INTERFACE Slot

- When not inserting "CI CARD" in some channels,"Scrambled Signal" is displayed on the screen.
- The pairing information containing a telephone number, CI CARD ID, Host ID and other information will be displayed in about 2~3 minutes. If an error message is displayed, please contact your service provider.
- When the channel information configuration has finished, the message "Updating Completed" is displayed, indicating that the channel list is now updated.

➣ You must obtain a CI CARD from a local cable service provider. Remove the CI CARD by carefully pulling it out with your hands since dropping the CI CARD may cause damage to it.

➣ Insert the CI-Card in the direction marked on it.

➣ The place of the COMMON INTERFACE Slot may be different depending on its model.



❼ WISELINK

- Connect a USB mass storage device to view photo files (JPEG) and play audio files (MP3)

❽ S-VIDEO or VIDEO / R-AUDIO-L

- Connect RCA or S-VIDEO cable to an appropriate external A/V device such as VCR, DVD or Camcorder.
- Connect RCA audio cables to "R-AUDIO-L" on your set and the other ends to corresponding audio out connectors on the A/V device.

❾ HEADPHONES JACK

- Headphone may be connected to the headphone output on your set. While the head phone is connected, the sound from the built-in speakers will be disabled.

❿ AUDIO OUT [R-AUDIO-L]

- Connect RCA audio cables to AUDIO OUT [R-AUDIO-L] on the rear of your set and the other ends to corresponding audio in connectors on the Amplifier or DVD Home Theatre.

⓫ DIGITAL AUDIO OUT (OPTICAL)

- Connect to a Digital Audio Component.

➢ When the HDMI IN jacks are connected, the DIGITAL AUDIO OUT (OPTICAL) jack on the TV outputs 2 channel audio only. If you want to hear 5.1 channel audio, connect the Optical jack on the DVD player or Cable/Satellite Box directly to an Amplifier or Home Theater, not the TV.

⓬ EXT 1, EXT 2

Connector	Input			Output
	Video	Audio (L/R)	RGB	Video + Audio (L/R)
EXT 1	O	O	O	Only TV or DTV output is available.
EXT 2	O	O		Output you can choose.

- Inputs or outputs for external devices, such as VCR, DVD, video game device or video disc players.

⓭ Kensington Lock (depending on the model)

- The Kensington Lock (optional) is a device used to physically fix the system when used in a public place.
- If you want to use a locking device, contact the dealer where you purchased the TV.
- The location of the kensington lock may be different depending on its model.

Viewing the Remote Control

❶ Television Standby button

❷ Selects the TV and DTV mode directly

❸ Number buttons for direct channel access

❹ One/Two-digit channel selection

❺ **+** : Volume increase

– : Volume decrease

❻ Available source selection

❼ Electronic Program Guide (EPG) display

❽ Use to quickly select frequently used functions.

❾ Use to see information on the current broadcast

❿ Colour buttons :
Use these buttons in the Channel list and WISELINK, etc.

⓬ Press to select the optional display and sound modes for sports, cinema and games.

⓭ Use these buttons in the DMA, WISELINK and Anynet$^+$. (◉: This remote can be used to control recording on Samsung recorders with the Anynet$^+$ feature)

⓮ Press to backlight the buttons on the remote. This function is convenient for using at night or when the room is dark. (Using the remote control with the ☼ **ON/OFF** button set to On will reduce the battery usage time.)

⓯ Previous channel

⓰ Temporary sound switch-off

⓱ **P** ∧ : Next channel

P ∨ : Previous channel

⓲ Displays the main on-screen menu

⓳ This function enables you to view and play photo and music files from an external device.

⓴ Returns to the previous menu

㉑ Control the cursor in the menu

㉒ Exit the on-screen menu

㉓ Use this when connecting a SAMSUNG DMA (Digital Media Adapter) device through an HDMI interface and switching to DMA mode. (The DMA button is optional.) For more information on the operating procedures, refer to the user manual of the DMA. This button is available when “Anynet$^+$(HDMI-CEC)" is “On” (see page 56)

㉔ Picture size selection

㉕ Digital subtitle display

㉖ Displays "Channel List" on the screen.

Teletext Functions

❷ Exit from the teletext display

❻ Teletext mode selection (LIST/FLOF)

❼ Teletext store

❽ Teletext size selection

❾ Teletext reveal

❿ Fastext topic selection

⓫ Alternately select Teletext, Double, or Mix.

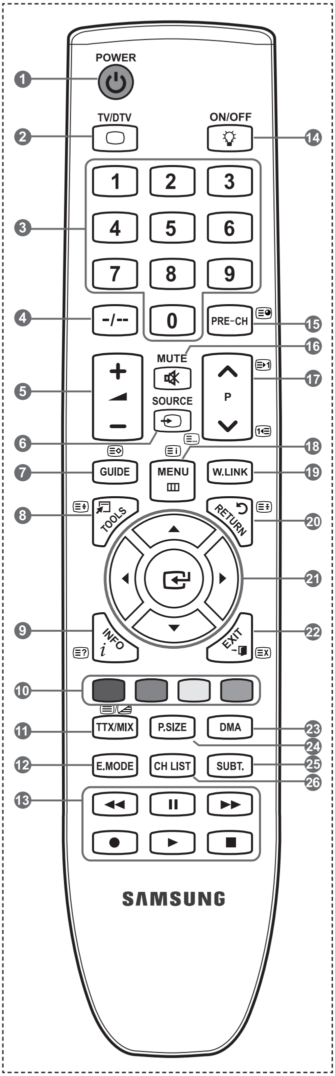
⓯ Teletext sub page

⓱ **P** ∧ : Teletext next page
P ∨ : Teletext previous page

⓲ Teletext index

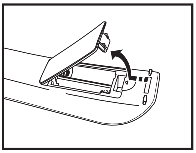
⓴ Teletext hold

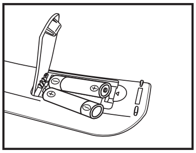
㉒ Teletext cancel

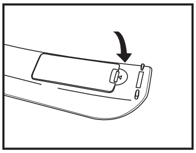


➢ The performance of the remote control may be affected by bright light.

Installing Batteries in the Remote Control







1. Lift the cover at the back of the remote control upward as shown in the figure.

2. Install two AAA size batteries.

➢ Make sure to match the "+" and "–" ends of the batteries with the diagram inside the compartment.

3. Replace the cover.

➢ Remove the batteries and store them in a cool, dry place if you won’t be using the remote control for a long time.

➢ Using the remote control with the 💡 **ON/OFF** button set to On will reduce the battery usage time.

➢ If the remote control doesn’t work, check the following:

1. Is the TV power on?
2. Are the plus and minus ends of the batteries reversed?
3. Are the batteries drained?
4. Is there a power outage, or is the power cord unplugged?
5. Is there a special fluorescent light or neon sign nearby?

Switching On and Off

The mains lead is attached to the rear of your set.

1. Plug the mains lead into an appropriate socket.

➢ The standby indicator lights up on your set.

2. Press the ⏻ button on your set.

➢ You also can press the **POWER** ⏻ button or the **TV/DTV** button on the remote control to turn the TV on.

➢ The programme that you were watching last is reselected automatically.

3. Press the numeric button (0~9) or channel up/down (**∧ / ∨**) button on the remote control or ∨**C/P.**⏻∧ button on your set.

➢ When you switch the set on for the very first time, you will be asked to choose language in which the menus are to be displayed.

4. To switch your set off, press the **POWER** ⏻ button again.

Placing Your Television in Standby Mode

Your set can be placed in standby mode in order to reduce the power consumption. The standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).

1. Press the **POWER**⏻ button on the remote control.

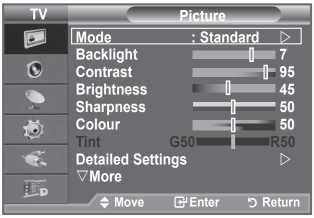
➢ The screen is turned off and a red standby indicator appears on your set.

2. To switch your set back on, simply press the **POWER**⏻, numeric buttons **(0~9)**, **TV/DTV** button or channel up/down (**∧ / ∨**) button again.

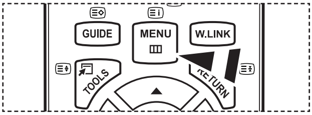
➢ Do not leave your set in standby mode for long periods of time (when you are away on holiday, for example).
It is best to unplug the set from the mains and aerial.

Viewing the Menus

1. With the power on, press the **MENU** button.
   The main menu appears on the screen. The menu' s left side has icons: Picture, Sound, Channel, Setup, Input, Digital Menu.
2. Press the ▲ or ▼ button to select one of the icons.
   Then press the **ENTER⏎** button to access the icon's sub-menu.
3. Press the **EXIT** button to exit.
   ➣ The on-screen menus disappear from the screen after about one minute.



Mode : Standard ▷
Backlight 7
Contrast 95
Brightness 45
Sharpness 50
Colour 50
Tint G50 R50
Detailed Settings ▷

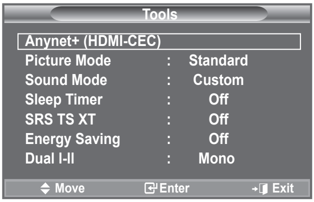


Using the TOOLS Button

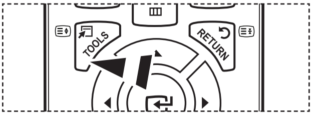
You can use the TOOLS button to select your frequently used functions quickly and easily. The "Tools" menu change depending on which external input mode you are viewing.

1. Press the **TOOLS** button.
   The "Tools" menu will appear.
2. Press the ▲ or ▼ button to select a menu.
3. Press the **▲/▼/◄/►/ENTER⏎** buttons to display, change, or use the selected items. For a more detailed description of each function, refer to the corresponding page.

- Anynet+ (HDMI-CEC), see page 56
- Picture Mode, see page 17
- Sound Mode, see page 23
- Sleep Timer, see page 25
- SRS TS XT, see page 23
- Energy Saving, see page 28
- Dual I-II, see page 24
- PIP, see page 22
- Auto Adjustment, see page 47

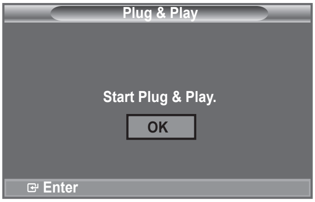


Anynet+ (HDMI-CEC)
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
SRS TS XT : Off
Energy Saving : Off
Dual I-II : Mono



Plug & Play

When the TV is initially powered on, several basic settings proceed automatically and subsequently. The following settings are available.



Plug & Play

Start Plug & Play.

➢ Any functions related to Digital TV (DVB) will only work in countries or areas where DVB-T (MPEG2) digital terrestrial signals are broadcasted. Please confirm with your local dealer if you can receive DVB-T signals. Although this TV set follows the DVB-T specification, maintaining compatibility with the future coming DVB-T digital terrestrial broadcasts is not guaranteed. Several functions may not be available in some countries.

1. Press the **POWER**⏻ button on the remote control.
   The message "Start Plug & Play" is displayed with "OK" selected.
2. Select the appropriate language by pressing the ▲ or ▼ button.
   Press the **ENTER**↵ button to confirm your choice.
3. Press the ◄ or ► button to select “Store Demo” or “Home Use”, then the **ENTER**↵ button.
   - ➢ We recommend setting the TV to "Home Use" mode for the best picture in your home environment.
   - ➢ "Store Demo" mode is only intended for use in retail environments.
   - ➢ If the unit is accidentally set to “Store Demo” mode and you want to return to “Home Use” (Standard): Press the Volume button on the TV. When the volume OSD is displayed, press and hold the **MENU** button on the TV for 5 seconds.
4. The message "Check antenna input." is displayed with "OK" selected.
   Press the **ENTER**↵ button.
   - ➢ Please check that the antenna cable is connected correctly.
5. Select the appropriate country by pressing the ▲ or ▼ button.
   Press the **ENTER**↵ button to confirm your choice.
6. The message “Some DTV functions may not be available. Digital Scan?” is displayed.
   Press the ◄ or ► button to select “Yes” or “No”, then press the **ENTER**↵ button.

♦ **Yes:** First an ATV search is performed and then a DTV ch. auto search is performed.
♦ **No:** Only an ATV search is performed.

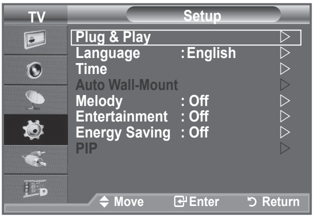
   - ➢ This function is supported for all countries except for the following countries: France, Germany, Italy, Netherlands, Spain, Switzerland, United Kingdom, Austria.
7. The "Auto Store" menu is displayed with the "Start" selected. Press the **ENTER**↵ button.
   - ➢ The channel search will start and end automatically.
     The DTV channel scan menu appears and the DTV channel is automatically updated.
   - ➢ If the DTV channel is updated, the Source in the source list of the Input menu is automatically changed to DTV. After all the available channels are stored, the "Clock Set" menu appears.
   - ➢ Press the **ENTER**↵ button at any time to interrupt the memorization process.
   - ➢ For detailed descriptions about DTV channel update, refer to page 31 of this manual.
     After all the available digital channels are stored, the screen to select a time zone is displayed depending on the country.
8. Press the **ENTER**↵ button.
   Select the "Month", "Day", "Year", "Hour", or "Minute" by pressing the ◄ or ► button.
   Set the "Month", "Day", "Year", "Hour", or "Minute" by pressing the ▲ or ▼ button.
   - ➢ You can also set the “Month”, “Day”, “Year”, “Hour” and "Minute" by pressing the number buttons on the remote control.

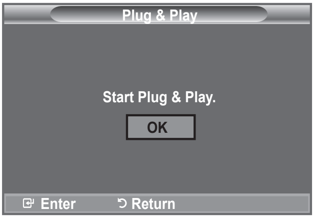
9. Press the **ENTER**↵ button to confirm your setting. The message “Enjoy your viewing” is displayed. When you have finished, press the **ENTER**↵ button.
   ➢ Even if the **ENTER**↵ button is not pressed, the message will automatically disappear after several seconds.

♦ **Language:** Select your language.
♦ **Country:** Select your country.
♦ **Auto Store:** Automatically scans for and stores channels available in the local area.
♦ **Clock Set:** Sets the current time for the TV clock.

If you want to reset this feature...

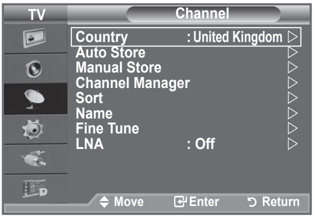
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER**↵ button.
2. Press the **ENTER**↵ button again, to select "Plug & Play".
   For further details on setting up options, refer to the page 11.
   ➢ The “Plug & Play” feature is only available in the TV mode.


TV Setup
Plug & Play ▷
Language : English ▷
Time ▷
Auto Wall-Mount ▷
Melody : Off ▷
Entertainment : Off ▷
Energy Saving : Off ▷
PIP ▷
◆ Move ↵ Enter ↺ Return


Plug & Play
Start Plug & Play.
OK
↵ Enter ↺ Return

Storing Channels Automatically

You can scan for the frequency ranges available to you (and availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However, you can sort numbers manually and clear any channels you do not wish to watch.


TV Channel
Country : United Kingdom ▷
Auto Store ▷
Manual Store ▷
Channel Manager ▷
Sort ▷
Name ▷
Fine Tune ▷
LNA : Off ▷
◆ Move ↵ Enter ↺ Return

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER**↵ button.
2. Press the **ENTER**↵ button to select "Country".
3. Select the appropriate country by pressing the ▲ or ▼ button.
   Press the **ENTER**↵ button to confirm your choice.
   ➢ Even though you have changed the country setting in this menu, the country setting for DTV is not changed.
   (Refer to page 31)
4. Press the ▲ or ▼ button to select "Auto Store", then press the **ENTER**↵ button.
5. Press the **ENTER**↵ button.
   ➢ The TV will begin memorizing all of the available channels.
   ➢ Press the **ENTER**↵ button at any time to interrupt the memorization process and return to the "Channel" menu.
6. After all the available channels are stored, the "Sort" menu appears. (Refer to page 15)

Storing Channels Manually

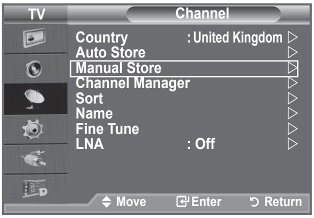
➣ Not available in DTV or external input mode.

You can store television channels, including those received via cable networks.

When storing channels manually, you can choose:

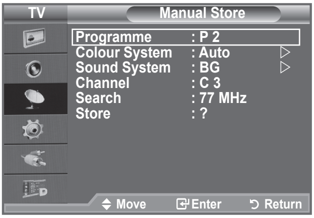
- ♦ Whether or not to store each of the channels found.
- ♦ The programme number of each stored channel which you wish to identify.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER**⏎ button.
2. Press the ▲ or ▼ button to select "Manual Store", then press the **ENTER**⏎ button.
3. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER**⏎ button.
4. When you are satisfied with your setting, press the **ENTER**⏎ button.
5. Press the **EXIT** button to exit.



Country : United Kingdom ▷

LNA : Off ▷



Programme : P 2

Colour System : Auto ▷

Sound System : BG ▷

Channel : C 3

Search : 77 MHz

Store : ?

- ♦ **Programme** (Programme number to be assigned to a channel)
  - Press the ▲ or ▼ button until you find the correct number.

  ➣ You can also select the channel number directly by pressing the numeric buttons (0~9).

- ♦ **Colour System: Auto/PAL/SECAM/NTSC4.43**
  - Press the ▲ or ▼ button to select the required colour standard.

- ♦ **Sound System: BG/DK/I/L**
  - Press the ▲ or ▼ button to select the required sound standard.

- ♦ **Channel** (When you know the number of the channel to be stored)
  - Press the ▲ or ▼ button to select **C** (Air channel) or **S** (Cable channel).
  - Press the ► button, then press the ▲ or ▼ button to select the required number.

  ➣ You can also select the channel number directly by pressing the numeric buttons (0~9).

  ➣ If there is abnormal sound or no sound, re-select the sound standard required.

- ♦ **Search** (When you do not know the channel numbers)
  - Press the ▲ or ▼ button to start the search.
  - The tuner scans the frequency range until the first channel or the channel that you selected is received on the screen.

- ♦ **Store** (When you store the channel and associated programme number)
  - Set to "OK" by pressing the **ENTER**⏎ button.

➣ **Channel mode**

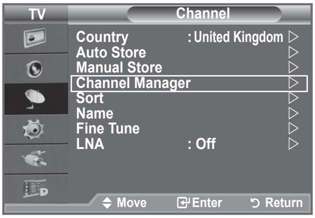
- **P** (Programme mode): When completing tuning, the broadcasting stations in your area have been assigned to position numbers from P00 to P99. You can select a channel by entering the position number in this mode.
- **C** (Air channel mode): You can select a channel by entering the assigned number to each air broadcasting station in this mode.
- **S** (Cable channel mode): You can select a channel by entering the assigned number for each cable channel in this mode.

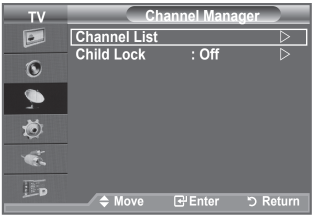
Adding / Locking Channels

➣ Not available in DTV or external input mode.

Using the Channel Manager, you can conveniently lock or add channels.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Channel Manager", then press the **ENTER↵** button.


TV
Channel
Country : United Kingdom ▷
Auto Store ▷
Manual Store ▷
Channel Manager ▷
Sort ▷
Name ▷
Fine Tune ▷
LNA : Off ▷
◆ Move
↵ Enter
↺ Return

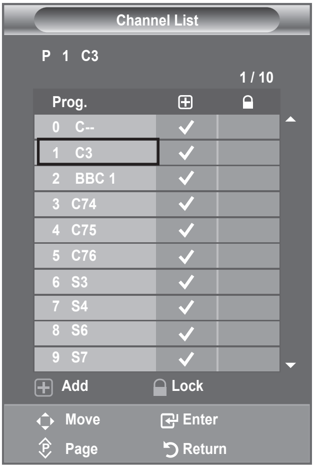

TV
Channel Manager
Channel List ▷
Child Lock : Off ▷
◆ Move
↵ Enter
↺ Return

- ♦ **Adding channels**
  Using the Channel List, you can add channels.

3. Select Channel List by pressing the **ENTER↵** button.
4. Move to the (⊞) field by pressing the ▲, ▼, ◀ or ▶ button, select a channel to be added, and press the **ENTER↵** button to add the channel.
   ➣ If you press the **ENTER↵** button again, the (✓) symbol next to the channel disappears and the channel is not added.
   ➣ "🔒" is active when "Child Lock" is selected to "On".

- ♦ **Locking channels**
  This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by muting out video and audio.

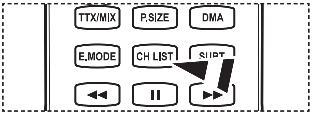
5. Press the ▲ or ▼ button to select "Child Lock", then press the **ENTER↵** button.
6. Select "On" by pressing the ▲ or ▼ button, then press the **ENTER↵** button.
7. Press the ▲ or ▼ button to select "Channel List", then press the **ENTER↵** button.
8. Move to the "🔒" field by pressing the ▲, ▼, ◀ or ▶ button, select a channel to be locked, and press the **ENTER↵** button.
   ➣ If you press the **ENTER↵** button again, the (✓) symbol next to the channel disappears and the channel lock is cancelled.
   ➣ A blue screen is displayed when "Child Lock" is activated.
9. Press the **EXIT** button to exit.
   ➣ Select "On" or "Off" in "Child Lock" to easily turn the channels which selected on "🔒" to be active or inactive.


Channel List
P 1 C3
1 / 10

Prog.	⊞	🔒
0 C--	✓	
1 C3	✓	
2 BBC 1	✓	
3 C74	✓	
4 C75	✓	
5 C76	✓	
6 S3	✓	
7 S4	✓	
8 S6	✓	
9 S7	✓	

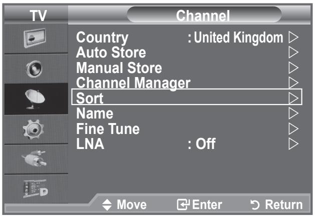
⊞ Add
🔒 Lock
Move
↵ Enter
Page
↺ Return

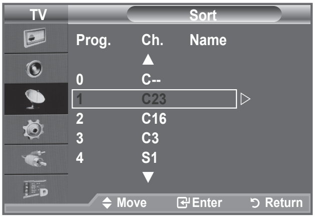
You can select these options by simply pressing the **CH LIST** button on the remote control.


TTX/MIX
P.SIZE
DMA
E.MODE
CH LIST
SUBT.

Sorting the Stored Channels

This operation allows you to change the programme numbers of the stored channels.
This operation may be necessary after using the auto store.


TV
Channel
Country
: United Kingdom
Auto Store
Manual Store
Channel Manager
Sort
Name
Fine Tune
LNA
: Off
Move
Enter
Return

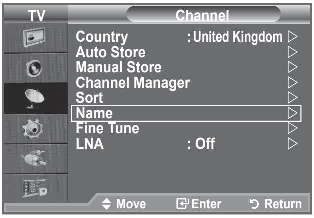

TV
Sort
Prog.
Ch.
Name
▲
0
C--
1
C23
2
C16
3
C3
4
S1
▼
Move
Enter
Return

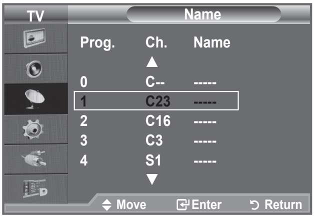
➢ Not available in DTV or external input mode.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Sort", then press the **ENTER↵** button.
3. Select the channel number that you wish to change by pressing the ▲ or ▼ button.
   Press the **ENTER↵** button.
   ➢ The selected channel number and name are moved to right side.
4. Select the number of the programme to which the channel is to be moved by pressing the ▲ or ▼ button.
5. Press the **ENTER↵** button.
   The channel is moved to its new position and all other channels are shifted accordingly.
6. Repeat steps **3** to **5** for another channel to be sorted.
7. Press the **EXIT** button to exit.

Assigning Channels Names

Channel names will be assigned automatically when channel information is broadcast. These names can be changed, allowing you to assign new names.


TV
Channel
Country
: United Kingdom
Auto Store
Manual Store
Channel Manager
Sort
Name
Fine Tune
LNA
: Off
Move
Enter
Return


TV
Name
Prog.
Ch.
Name
▲
0
C--

1
C23

2
C16

3
C3

4
S1

▼
Move
Enter
Return

➢ Not available in DTV or external input mode.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Name", then press the **ENTER↵** button.
3. If necessary, select the channel to be assigned to a new name by pressing the ▲ or ▼ button. Press the **ENTER↵** button
   ➢ The selection bar is displayed around the name box.
4.

To...	Then...
Select a letter, number or symbol	Press the ▲ or ▼ button
Move on the next letter	Press the ► button
Move back the previous letter	Press the ◄ button
Confirm the name	Press the **ENTER↵** button

   ➢ The following characters are available: Letters of the alphabet (A~Z) / Numbers (0~9) / Special characters (+, -, *, /, space)
5. Repeat steps **3** to **4** for each channel to be assigned to a new name.
6. Press the **EXIT** button to exit.

Fine Tuning Channel Reception

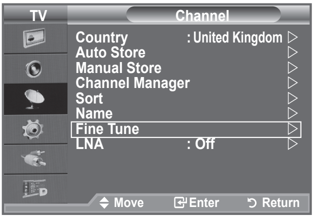
Use fine tuning to manually adjust a particular channel for optimal reception.

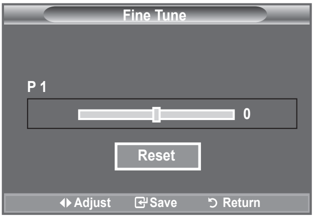
➣ Not available in DTV or external input mode.

1. Use the number buttons to directly select the channel that you want to fine tune.
2. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER**⏎ button.
3. Press the ▲ or ▼ button to select "Fine Tune", then press the **ENTER**⏎ button.
4. Press the ◄ or ► button to adjust the fine tuning.
   Press the **ENTER**⏎ button.
5. Press the **EXIT** button to exit.

➣ Fine tuned channels that have been saved are marked with an asterisk "*" on the right-hand side of the channel number in the channel banner. And the channel number turns red.

➣ To reset the fine-tuning, select "Reset" by pressing the ▲ or ▼ button and then press the **ENTER**⏎ button.


TV
Channel
Country : United Kingdom
Auto Store
Manual Store
Channel Manager
Sort
Name
Fine Tune
LNA : Off
Move
Enter
Return

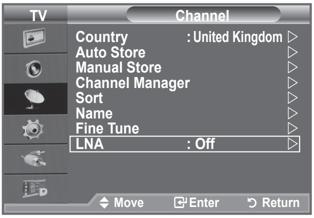

Fine Tune
P 1
0
Reset
Adjust
Save
Return

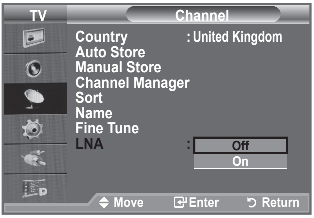
LNA (Low Noise Amplifier)

If the TV is operating in a weak-signal area, the LNA function can improve the reception (a low-noise preamplifier boosts the incoming signal).

➣ Not available in DTV or external input mode.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER**⏎ button.
2. Press the ▲ or ▼ button to select "LNA", then press the **ENTER**⏎ button.
3. Press the ▲ or ▼ button to select "Off" or "On". Press the **ENTER**⏎ button.
4. Press the **EXIT** button to exit.


TV
Channel
Country : United Kingdom
Auto Store
Manual Store
Channel Manager
Sort
Name
Fine Tune
LNA : Off
Move
Enter
Return


TV
Channel
Country : United Kingdom
Auto Store
Manual Store
Channel Manager
Sort
Name
Fine Tune
LNA :
Off
On
Move
Enter
Return

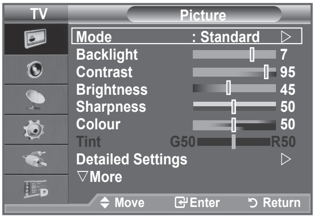
Changing the Picture Standard

You can select the type of picture which best corresponds to your viewing requirements.

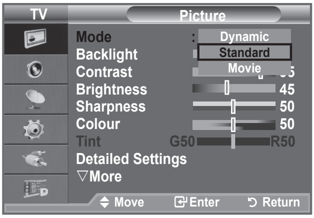
1. Press the **MENU** button to display the menu.
   Press the **ENTER**↵ button, to select "Picture".
2. Press the **ENTER**↵ button again, to select "Mode".
3. Press the ▲ or ▼ button to select the desired picture effect.
   Press the **ENTER**↵ button.
4. Press the **EXIT** button to exit.

- ♦ **Dynamic**: Selects the picture for high-definition in a bright room.
- ♦ **Standard**: Selects the picture for optimum display in a normal environment.
- ♦ **Movie**: Selects the picture for comfortable display in a dark room.

➣ The Picture mode must be adjusted separately for each input source.

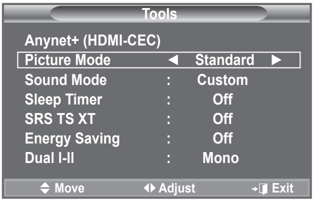

TV
Picture
Move
Enter
Return

Mode : Standard ▷
Backlight 7
Contrast 95
Brightness 45
Sharpness 50
Colour 50
Tint G50 R50
Detailed Settings ▷
▽More


TV
Picture
Mode
Backlight
Contrast
Brightness 45
Sharpness 50
Colour 50
Tint G50 R50
Detailed Settings
▽More
Dynamic
Standard
Movie
Move
Enter
Return

Easy Setting

1. Press the **TOOLS** button on the remote control.
2. Press the ▲ or ▼ button to select “Picture Mode”.
3. Press the ◄ or ► button to select the desired picture mode.
4. Press the **EXIT** or **TOOLS** button to exit.

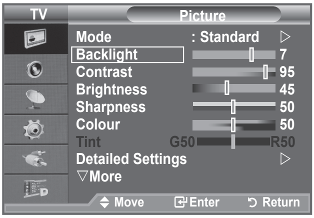

Tools
Move
Adjust
Exit

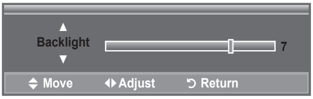
Anynet+ (HDMI-CEC)
Picture Mode ◄ Standard ►
Sound Mode : Custom
Sleep Timer : Off
SRS TS XT : Off
Energy Saving : Off
Dual I-II : Mono

Adjusting the Custom Picture

Your set has several settings which allow you to control picture quality.

1. To select the desired picture effect, follow the "Changing the Picture Standard" instructions number 1 to 3. (On page 17).
2. Press the ▲ or ▼ button to select a particular item. Press the **ENTER↵** button.
3. Press the ◄ or ► button to decrease or increase the value of a particular item. Press the**ENTER↵** button.
4. Press the **EXIT** button to exit.


TV
Picture
Mode : Standard ▷
Backlight 7
Contrast 95
Brightness 45
Sharpness 50
Colour 50
Tint G50 R50
Detailed Settings ▷
▽More


Backlight 7

- ♦ **Backlight:** Adjusts the screen brightness by adjusting the LCD backlight brightness. (0~10)
- ♦ **Contrast:** Adjusts the lightness and darkness between objects and the background.
- ♦ **Brightness:** Adjusts the brightness of the whole screen.
- ♦ **Sharpness:** Adjusts the outline of objects to either sharpen them or make them more dull.
- ♦ **Colour:** Adjusts the colours, making them lighter or darker.
- ♦ **Tint:** Adjusts the colour of objects, making them more red or green for a more natural look.

➣ The adjusted values are stored according to the selected Picture mode.

➣ In PC mode, you can only make changes to "Backlight", "Contrast" and "Brightness".

➣ In Analogue TV, Ext., AV, S-Video modes of the PAL system, you cannot use the "Tint" Function.

➣ You can return to the factory defaults picture settings by selecting the "Reset". (Refer to "Resetting the Picture Settings to the Factory Defaults" on page 19)

➣ The energy consumed during use can be significantly reduced if the level of brightness of the picture is reduced, and then this will reduce the overall running cost.

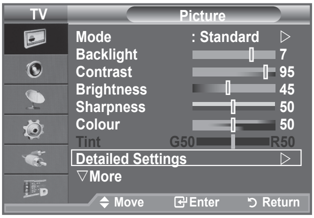
Configuring Detailed Settings on the Picture

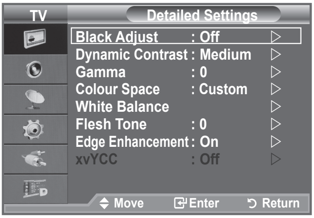
You can set detailed picture settings.

1. Press the **MENU** button to display the menu.
   Press the **ENTER↵** button, to select "Picture".
2. Press the **ENTER↵** button to select "Mode".
   Press the ▲ or ▼ button to select "Standard" or "Movie", then press the **ENTER↵** button.
3. Press the ▲ or ▼ button to select "Detailed Settings", then press the **ENTER↵** button.
4. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER↵** button.
5. When you are satisfied with your setting, press the **ENTER↵** button.
6. Press the **EXIT** button to exit.

➣ "Detailed Settings" is available in "Standard" or "Movie" mode.

➣ In PC mode, you can only make changes to "Dynamic Contrast", "Gamma" and "White Balance" from among the "Detailed Settings" items.


TV
Picture
Mode : Standard ▷
Backlight 7
Contrast 95
Brightness 45
Sharpness 50
Colour 50
Tint G50 R50
Detailed Settings ▷
▽More


TV
Detailed Settings
Black Adjust : Off ▷
Dynamic Contrast : Medium ▷
Gamma : 0 ▷
Colour Space : Custom ▷
White Balance ▷
Flesh Tone : 0 ▷
Edge Enhancement : On ▷
xvYCC : Off ▷

- ♦ **Black Adjust: Off/Low/Medium/High**
  You can directly select the black level on the screen to adjust the screen depth.
- ♦ **Dynamic Contrast: Off/Low/Medium/High**
  You can adjust the screen contrast so that the optimal contrast is provided.

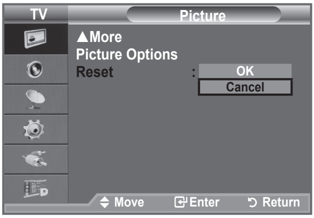
- **Gamma: -3 ~ +3**
  You can adjust the Primary Colour (Red, Green, Blue) Intensity.
  Press the ◀ or ▶ button until you reach the optimal setting.
- **Colour Space: Auto/Native/Custom**
  Colour space is a colour matrix composed of "Red", "Green" and "Blue" colours.
  Select your favourite Colour space to experience the most natural Colour.

  - **Auto:** Auto Colour Space automatically adjusts to the most natural colour tone based on programme sources.
  - **Native:** Native Colour Space offers deep and rich colour tone.
  - **Custom:** Adjusts the colour range to suit your preference.

  ➣ **Customizing the Colour Space**
  Colour: Red/Green/Blue/Yellow/Cyan/Magenta
  Adjusts the Colour range to suit your preference.
  “Colour” is available when “Colour Space” is set to “Custom”.
  Press the ▲ or ▼ button to select “Red”, “Green”, “Blue”, “Yellow”, “Cyan” or “Magenta”.
  Press the **ENTER↵** button.
  Red/Green/Blue: In “Colour”, you can adjust the RGB values for the selected colour.
  Press the ▲ or ▼ button to select "Red", "Green" or "Blue" to change it.
  Press the **ENTER↵** button.
  Press the ◀ or ▶ button to decrease or increase the value of a particular item. Press the **ENTER↵** button.
  Reset: Resets the colour space to the default values.
- **White Balance: R-Offset/G-Offset/B-Offset/R-Gain/G-Gain/B-Gain/Reset**
  You can adjust the colour temperature for more natural picture colours.
  R-Offset/G-Offset/B-Offset/R-Gain/G-Gain/B-Gain: Changing the adjustment value will refresh the adjusted screen.
  Select the required option by pressing the ▲ or ▼ button, then press the **ENTER↵** button.
  Press the ◀ or ▶ button until you reach the optimal setting.
  Reset: The previously adjusted white balance will be reset to the factory defaults.
- **Flesh Tone: -15 ~ +15**
  You can emphasize the pink 'flesh tone' in the picture.
  Press the ◀ or ▶ button until you reach the optimal setting.
  ➣ Changing the adjustment value will refresh the adjusted screen.
- **Edge Enhancement: Off/On**
  You can emphasize object boundaries in the picture.
- **xvYCC: Off/On**
  Setting the xvYCC mode to On increases detail and colour space when watching movies from an external device (ie. DVD player) connected to the HDMI or Component IN jacks. You must set the Picture Mode to Movie to enjoy this feature.
  ➣ Only available in "HDMI" and "Component" on "Movie" mode.
  ➣ If xvYCC function is active, PIP cannot be selected.

Resetting the Picture Settings to the Factory Defaults

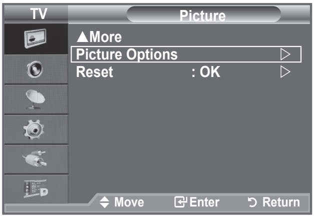
You can return to the factory defaults picture settings.



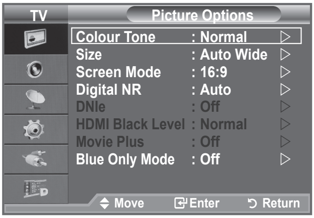
1. To select the desired picture effect, follow the "Changing the Picture Standard" instructions number 1 to 3 (On page 17).
2. Press the ▲ or ▼ button to select "Reset", then press the **ENTER↵** button.
3. Press the ▲ or ▼ button to select "OK" or "Cancel".
   Press the **ENTER↵** button.
4. Press the **EXIT** button to exit.

➣ The "Reset" will be set for each "Picture" mode.

Configuring Picture Option



TV — Picture
▲More
Picture Options ▷
Reset : OK ▷
◆ Move ⏎ Enter ↺ Return



TV — Picture Options
Colour Tone : Normal ▷
Size : Auto Wide ▷
Screen Mode : 16:9 ▷
Digital NR : Auto ▷
DNIe : Off ▷
HDMI Black Level : Normal ▷
Movie Plus : Off ▷
Blue Only Mode : Off ▷
◆ Move ⏎ Enter ↺ Return

1. Press the **MENU** button to display the menu.
   Press the **ENTER⏎** button, to select "Picture".
2. Press the ▲ or ▼ button to select "Picture Options", then press the **ENTER⏎** button.
3. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER⏎** button.
4. When you are satisfied with your setting, press the **ENTER⏎** button.
5. Press the **EXIT** button to exit.

   ➢ In PC mode, you can only make changes to the “Colour Tone” and “Size” from among the items in “Picture Options”.

- ♦ **Colour Tone: Cool2/Cool1/Normal/Warm1/Warm2**
  You can select the most comfortable colour tone to your eyes.

  ➢ The adjusted values are stored according to the selected "Picture" mode.

  ➢ “Warm1” or “Warm2” is only activated when the picture mode is "Movie".

- ♦ **Size: Auto Wide/16:9/Wide Zoom/Zoom/4:3/Just Scan**
  You can select the picture size which best corresponds to your viewing requirements.

  - ♦ **Auto Wide:** Automatically adjusts the picture size to the "16:9" aspect ratio.
  - ♦ **16:9:** Adjusts the picture size to 16:9 appropriate for DVDs or wide broadcasting.
  - ♦ **Wide Zoom:** Magnify the size of the picture more than 4:3.
  - ♦ **Zoom:** Magnifies the 16:9 wide picture (in the vertical direction) to fit the screen size.
  - ♦ **4:3:** This is the default setting for a video movie or normal broadcasting.
  - ♦ **Just Scan:** Use the function to see the full image without any cutoff when HDMI (720p/1080i/1080p) or Component (1080i/1080p) signals are input.

  ➢ "Auto Wide" function is available only in "TV", "DTV", "Ext.1", "Ext.2", "AV", and "S-Video" mode.

  ➢ In PC Mode, only "16:9" and "4:3" mode can be adjusted.

  ➢ Settings can be adjusted and stored for each external device you have connected to an input of the TV.

  ➢ Temporary image retention may occur when viewing a static image on the set for more than two hours.

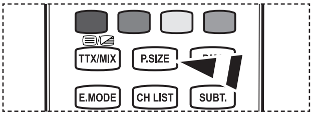
  ➢ **Wide Zoom**: Move the screen up/down using the ▲ or ▼ button after selecting the ▤ by pressing the ► or **ENTER⏎** button.

  ➢ **Zoom**: Select ▤ by pressing the ◄ or ►button. Use the ▲ or ▼ button to move the picture up and down. After selecting ↕, use the ▲ or ▼ button to magnify or reduce the picture size in the vertical direction.

  ➢ When Double (◫ , ▭) mode has been set in PIP, the Picture Size cannot be set.

  ➢ **After selecting “Just Scan” in HDMI (1080i/1080p) or Component (1080i/1080p) mode**:
  Select ▤ by pressing the ◄ or ►button. Use the ▲, ▼, ◄ or ► button to move the picture.
  Reset: Press the ◄ or ► button to select “Reset”, then press the **ENTER⏎** button.
  You can initialize the setting.

  ➢ If you use the “Just Scan” function with HDMI 720p input, 1 line will be cut at the top, bottom, left and right as in the overscan function.



You can select these options by simply pressing the **P.SIZE** button on the remote control.

♦ **Screen Mode: 16:9/Wide Zoom/Zoom/4:3**

When setting the picture size to "Auto Wide" in a 16:9 wide TV, you can determine the picture size you want to see the 4:3 WSS (Wide Screen Service) image or nothing. Each individual European country requires different picture size so this function is intended for users to select it.

♦ **16:9:** Sets the picture to 16:9 wide mode.
♦ **Wide Zoom:** Magnify the size of the picture more than 4:3.
♦ **Zoom:** Magnify the size of the picture vertically on screen.
♦ **4:3:** Sets the picture to 4:3 normal mode.

➢ This function is available in "Auto Wide" mode.
➢ This function is not available in "PC", "Component" or "HDMI" mode.

♦ **Digital NR: Off/Low/Medium/High/Auto**

If the broadcast signal received by your TV is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.

➢ When the signal is weak, select one of the other options until the best picture is displayed.

♦ **DNIe: Off/Demo/On**

This TV includes the DNIe function so as to provide a high visual quality. If you set DNIe to on, you can view the screen with the DNIe feature activated. If you set the DNIe to Demo, you can view the applied DNIe and normal pictures on the screen, for demonstration purposes. Using this function, you can view the difference in the visual quality.

➢ DNIe™ (Digital Natural Image engine) DNIe™
This feature brings you more detailed image with 3D noise reduction, detail enhancement, contrast enhancement and white enhancement. New image compensation Algorithm gives brighter, clearer, more detailed image to you. DNIe™ technology will fit every signal into your eyes.
➢ This function is not available in "Movie" and "Standard" mode.

♦ **HDMI Black Level: Normal/Low**

You can directly select the black level on the screen to adjust the screen depth.

➢ This function is active only when the external input connects to HDMI(RGB signals).

♦ **Movie Plus: Off/Low/Medium/high/Demo**

You can view more natural skin and clear text even in fast moving scenes.

➢ Use this function when watching movies.
➢ This function is not available in “Wide Zoom” and “Zoom” modes.
➢ This function is not available when “PIP” is set to “On”.
➢ It is not supported in HDMI 1080p/24Hz, 25Hz, 30Hz mode.

♦ **Blue Only Mode: Off/On**

This function is for AV device measurement experts. This function displays the blue signal only by removing the red and green signals from the video signal so as to provide a Blue Filter effect that is used to adjust the Colour and Tint of video equipment such as DVD players, Home Theaters, etc.

Using this function, you can adjust the Colour and Tint to preferred values appropriate to the signal level of each video device using the Red/Green/Blue/ Cyan/Magenta/Yellow Colour Bar Patterns, without using an additional Blue Filter.

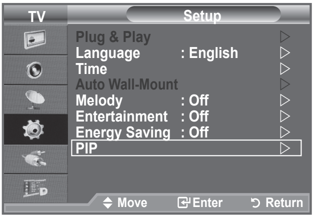
➢ “Blue Only Mode” is available when the picture mode is set to “Movie” or “Standard”.

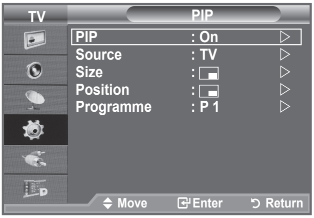
Viewing the Picture In Picture (PIP)

You can display a sub picture within the main picture of set programme or video input. In this way, you can watch the picture of set programme or video input from any connected equipment while watching the main picture.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER**⏎ button.
2. Press the ▲ or ▼ button to select "PIP", then press the **ENTER**⏎ button.
3. Press the **ENTER**⏎ button to select "PIP". Press the ▲ or ▼ button to select "On", then press the **ENTER**⏎ button.
4. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER**⏎ button.
5. When you are satisfied with your setting, press the **ENTER**⏎ button.
6. Press the **EXIT** button to exit.

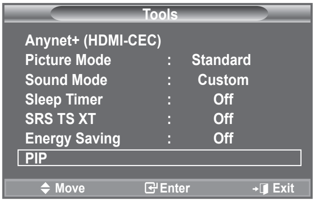
➣ You may notice that the picture in the PIP window becomes slightly unnatural when you use the main screen to view a game or karaoke.

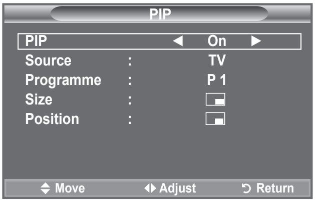

TV Setup
Plug & Play
Language : English
Time
Auto Wall-Mount
Melody : Off
Entertainment : Off
Energy Saving : Off
PIP


TV PIP
PIP : On
Source : TV
Size : ▭
Position : ▭
Programme : P 1

Easy Setting

1. Press the **TOOLS** button on the remote control.
2. Press the ▲ or ▼ button to select “PIP”, then press the **ENTER**⏎ button.
3. Press the ◄ or ► button to select the "On".
4. Press the ▲ or ▼ button to select a particular item.
5. Press the ◄ or ► button to select the required option.
6. Press the **EXIT** or **TOOLS** button to exit.


Tools
Anynet+ (HDMI-CEC)
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
SRS TS XT : Off
Energy Saving : Off
PIP


PIP
PIP ◄ On ►
Source : TV
Programme : P 1
Size : ▭
Position : ▭

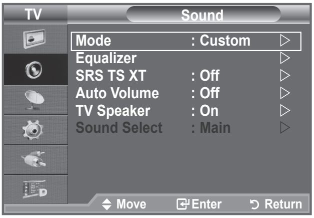
- ♦ **PIP: On/Off**
  You can activate or deactivate the PIP function.

Main picture	Sub picture
Component	TV, Ext.1, Ext.2, AV, DTV
HDMI 1, 2, 3, 4	TV, Ext.1, Ext.2, AV, DTV
PC	TV, Ext.1, Ext.2, AV, DTV

- ♦ **Source**
  You can select a source of the sub-picture.
- ♦ **Size:** ▭ / ◫ / ◫
  You can select a size of the sub-picture.
  ➣ If main picture is in "HDMI" mode, "Size" is available.
- ♦ **Position:** ▭ / ▭ / ▭ / ▭
  You can select a position of the sub-picture.
  ➣ In Double (◫ , ◫) mode, "Position" cannot be selected.
- ♦ **Programme**
  You can select a channel of the sub-picture only when the "Source" is set to "TV" or "DTV".

Sound Features

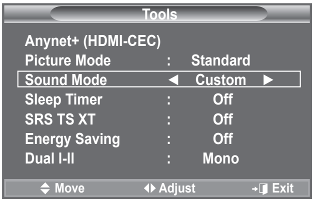
1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select "Sound", then press the **ENTER** button.
2. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER**↵ button.
3. When you are satisfied with your setting, press the **ENTER**↵ button.
4. Press the **EXIT** button to exit.



Mode : Custom
Equalizer
SRS TS XT : Off
Auto Volume : Off
TV Speaker : On
Sound Select : Main

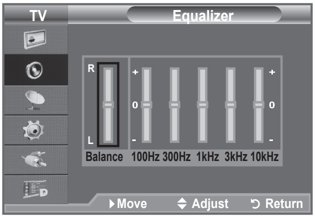
- **Mode: Standard/Music/Movie/Speech/Custom**
  You can select the type of special sound effect to be used when watching a given broadcast.

  Easy Setting
  1. Press the **TOOLS** button on the remote control.
  2. Press the ▲ or ▼ button to select "Sound Mode".
  3. Press the ◄ or ► button to select the desired sound mode.
  4. Press the **EXIT** or **TOOLS** button to exit.



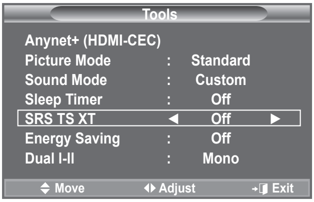
Anynet+ (HDMI-CEC)
Picture Mode : Standard
Sound Mode ◄ Custom ►
Sleep Timer : Off
SRS TS XT : Off
Energy Saving : Off
Dual I-II : Mono

- **Equalizer: Balance/100Hz/300Hz/1kHz/3kHz/10kHz**
  The sound settings can be adjusted to suit your personal preferences.
  ➢ If you make any changes to these settings, the sound mode is automatically switched to "Custom".



- **SRS TS XT: Off/On**
  TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

  Easy Setting
  1. Press the **TOOLS** button on the remote control.
  2. Press the ▲ or ▼ button to select “SRS TS XT”.
  3. Press the ◄ or ► button to select the "Off" or "On".
  4. Press the **EXIT** or **TOOLS** button to exit.



Anynet+ (HDMI-CEC)
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
SRS TS XT ◄ Off ►
Energy Saving : Off
Dual I-II : Mono

TruSurround XT, SRS and (●) Symbol are trademarks of SRS Labs, Inc. **TruSurround XT** technology is incorporated under license from SRS Labs, Inc.

- **Auto Volume: Off/On**
  Each broadcasting station has its own signal conditions, and so it is not easy to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

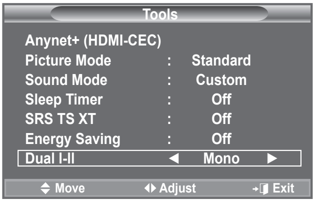
- **TV Speaker: Off/On**
  If you want to hear the sound through separate speakers, cancel the internal amplifier.
  ➢ The ◢ +, ◢ - and **MUTE** buttons do not operate when the "TV Speaker" is set to "Off".
  ➢ When “TV Speaker” is set to “Off”, you can operate only “Sound Select” (in PIP mode) in Sound menu.
- **Sound Select: Main/Sub**
  When the PIP feature is activated, you can listen to the sound of the sub (PIP) picture.
  − **Main:** Used to listen to the sound of the main picture.
  − **Sub:** Used to listen to the sound of the sub picture.

DOLBY
DIGITAL PLUS

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

Selecting the Sound Mode

You can set the sound mode in the "Tools" menu.
When you set to "Dual I-II", the current sound mode is displayed on the screen.



Tools
Anynet+ (HDMI-CEC)
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
SRS TS XT : Off
Energy Saving : Off
Dual I-II ◄ Mono ►

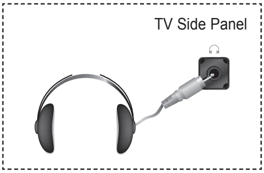
1. Press the **TOOLS** button on the remote control.
2. Press the ▲ or ▼ button to select “Dual I-II".
3. Press the ◄ or ► button to select required option.
4. Press the **ENTER**↵ button.

	Audio Type	Dual 1/2	Default
A2 Stereo	Mono	MONO	Automatic change
	Stereo	STEREO ↔ MONO	
	Dual	DUAL 1 ↔ DUAL 2	DUAL 1
NICAM Stereo	Mono	MONO	Automatic change
	Stereo	MONO ↔ STEREO	
	Dual	→ MONO ↔ DUAL 1 DUAL 2 ←	DUAL 1

➢ If the stereo signal is weak and an automatic switching occurs, then switch to the Mono.
➢ This function is only activated in stereo sound signal. It is deactivated in mono sound signal.
➢ This function is only available in TV mode.

Connecting Headphones (Sold separately)

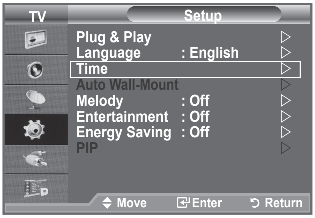
You can connect a set of headphones to your set if you wish to watch a TV programme without disturbing the other people in the room.



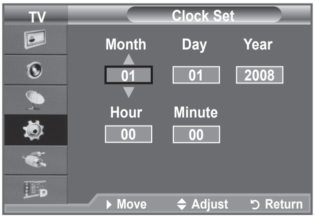
➢ When you insert the head set jack into the corresponding port, you can operate only "Auto Volume" and "Sound Select"(in PIP mode) in Sound menu.
➢ Prolonged use of headphones at a high volume may damage your hearing.
➢ You will not receive sound from the speakers when you connect headphones to the system.
➢ The headphone volume and TV volume are adjusted differently.

Setting and Displaying the Current Time

You can set the TV's clock so that the current time is displayed when you press the INFO button. You must also set the time if you wish to use the automatic On/Off timers.



TV Setup
Plug & Play ▷
Language : English ▷
Time ▷
Auto Wall-Mount ▷
Melody : Off ▷
Entertainment : Off ▷
Energy Saving : Off ▷
PIP ▷
Move Enter Return



TV Clock Set
Month 01 Day 01 Year 2008
Hour 00 Minute 00
Move Adjust Return

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ button to select "Time", then press the **ENTER** button.
3. Press the **ENTER** button to select "Clock Set".
4.

To...	Press the....
Move to "Month", "Day", "Year", "Hour" or "Minute"	◄ or ► button.
Set the "Month", "Day", "Year", "Hour" or "Minute"	▲ or ▼ button.
Confirm the setting	**ENTER** button

5. Press the **EXIT** button to exit.

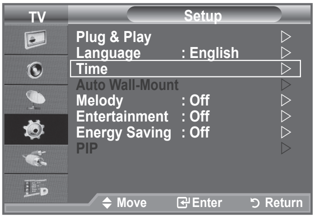
➢ The current time will appear every time you press the **INFO** button.

➢ You can also set "Month", "Day", "Year", "Hour" and "Minute" by pressing the number buttons on the remote control.

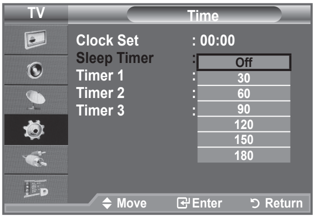
➢ If you disconnect the power cord, you have to set the clock again.

Setting the Sleep Timer

You can select a time period of between 30 and 180 minutes after which the television automatically switches to standby mode.



TV Setup
Plug & Play ▷
Language : English ▷
Time ▷
Auto Wall-Mount ▷
Melody : Off ▷
Entertainment : Off ▷
Energy Saving : Off ▷
PIP ▷
Move Enter Return

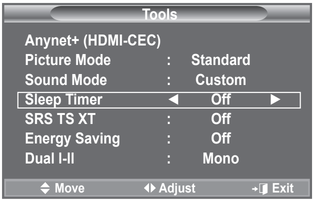


TV Time
Clock Set : 00:00
Sleep Timer : Off
Timer 1 : 30
Timer 2 : 60
Timer 3 : 90
120
150
180
Move Enter Return

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ button to select "Time", then press the **ENTER** button.
3. Press the ▲ or ▼ button to select "Sleep Timer", then press the **ENTER** button.
4. Press the ▲ or ▼ button repeatedly until the desired time appears (Off, 30, 60, 90, 120, 150, 180).
   Press the **ENTER** button.
5. Press the **EXIT** button to exit.

➢ The TV automatically switches to standby mode when the timer reaches 0.

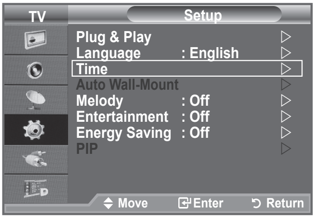
Easy Setting



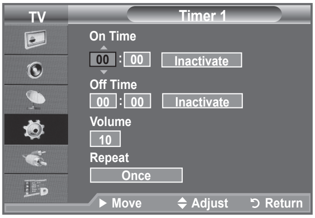
Tools
Anynet+ (HDMI-CEC)
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer ◄ Off ►
SRS TS XT : Off
Energy Saving : Off
Dual I-II : Mono
Move Adjust Exit

1. Press the **TOOLS** button on the remote control.
2. Press the ▲ or ▼ button to select "Sleep Timer".
3. Press the ◄ or ► button to select the minute.
4. Press the **EXIT** or **TOOLS** button to exit.

Switching the Television On and Off Automatically



Language : English
Melody : Off
Entertainment : Off
Energy Saving : Off



On Time 00 : 00 Inactivate
Off Time 00 : 00 Inactivate
Volume 10
Repeat Once

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Time", then press the **ENTER↵** button.
3. Press the ▲ or ▼ button to select "Timer 1", "Timer 2", "Timer 3", then press the **ENTER↵** button.
   Three different On/Off Timer Settings can be made.

➣ You must set the clock first.

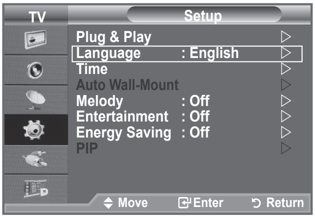
4. Press the ◀ or ▶ button to select the required item below.
   Press the ▲ or ▼ button to adjust to the setting satisfied.
   - ♦ **On Time** : Select hour, minute and "Activate"/"Inactivate".
     (To activate timer with the setting satisfied, set to "Activate".)
   - ♦ **Off Time** : Select hour, minute and "Activate"/"Inactivate".
     (To activate timer with the setting satisfied, set to "Activate".)
   - ♦ **Volume** : Select the desired turn on volume level.
   - ♦ **Repeat** : Select "Once", "Everyday", "Mon~Fri", "Mon~Sat" or "Sat~Sun**"**.

➣ You can set the hour and minute directly by pressing the number buttons on the remote control.

➣ **Auto Power Off**
When you set the timer On, the TV will eventually turn off, if no controls are operated for 3 hours after the TV was turned on by timer. This function is only available in timer On mode and prevents overheating, which may occur if a TV is on for too long time.

Choosing Your Language

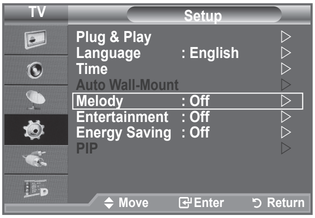
When you start using your set for the first time, you must select the language which will be used for displaying menus and indications.



Language : English
Melody : Off
Entertainment : Off
Energy Saving : Off

1. Press the **MENU** button to display the on-screen menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Language", then press the **ENTER↵** button.
3. Select a particular language by pressing the ▲ or ▼ button repeatedly.
   Press the **ENTER↵** button.
4. Press the **EXIT** button to exit.

Melody / Entertainment / Energy Saving



Plug & Play
Language : English
Time
Auto Wall-Mount
Melody : Off
Entertainment : Off
Energy Saving : Off
PIP

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER**⏎ button.
2. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER**⏎ button.
3. When you are satisfied with your setting, press the **ENTER**⏎ button.
4. Press the **EXIT** button to exit.

♦ **Melody: Off/Low/Medium/High**

The TV power on/off melody sound can be adjusted.

➣ **The Melody does not play**

- When no sound is output from the TV because the **MUTE** button has been pressed.
- When no sound is output from the TV because the – (Volume) button has been pressed.
- When the TV is turned off by the Sleep Timer function.

♦ **Entertainment: Off/Sports/Cinema/Game**

The “Entertainment” mode enables you to select the optimal display and sound for sports, cinema and games.

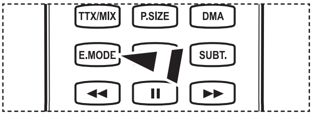
- **Off**: Switch the "Entertainment" function off.
- **Sports**: Provides the optimal picture and sound quality for sports. You can enjoy more thrilling colour and sound.
- **Cinema**: Provides the optimal picture and sound quality for cinema. You can experience a richer picture and enhanced sound.
- **Game**: Provides the optimal picture and sound quality for games. This mode accelerates the playing speed when using an external game console connected to the TV.

➣ If you set any of the three “Entertainment” modes to On, the settings will be locked and can not be adjusted. If you want to make Picture and Sound mode adjustments, the “Entertainment” mode must be turned off.

➣ The “Entertainment” settings are saved for each input source.

➣ If you set any of the three “Entertainment” modes to On, “SRS TS XT” and “Equalizer” function is not available.

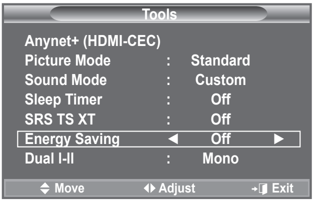
You can press the **E.MODE** button on the remote control repeatedly to change the “Entertainment” setting.



- **Energy Saving: Off/Low/Medium/High/Auto**
  This feature adjusts the screen brightness depending on the surrounding lighting conditions.
  - **Off**: Turns off the energy saving function.
  - **Low**: Sets the TV to low energy saving mode.
  - **Medium**: Sets the TV to medium energy saving mode.
  - **High**: Sets the TV to high energy saving mode.
  - **Auto**: Automatically adjusts the brightness of the TV screen in accordance with the scenes.

Easy Setting

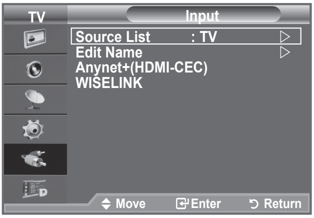
1. Press the **TOOLS** button on the remote control.
2. Press the ▲ or ▼ button to select “Energy Saving”.
3. Press the ◄ or ► button to select the "Off", "Low", "Medium", "High" or "Auto".
4. Press the **EXIT** or **TOOLS** button to exit.


Tools
Anynet+ (HDMI-CEC)
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
SRS TS XT : Off
Energy Saving ◄ Off ►
Dual I-II : Mono

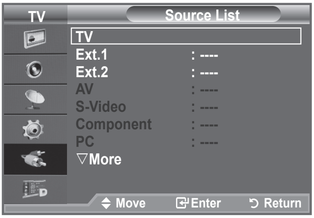
Selecting the Source

You can select among external sources connected to your TV’s input jacks.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Input", then press the **ENTER** button.
2. Press the **ENTER** button again, to select "Source List".
   ➢ When no external device is connected to your set, only "TV", "Ext.1", "Ext.2", "DTV" are activated in the "Source List". "AV", "S-Video", "Component", "PC", "HDMI1", "HDMI2", "HDMI3", "HDMI4" are activated only when they are connected to your set.
3. Select the required device by pressing the ▲ or ▼ button.
   Press the **ENTER** button.

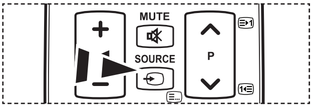


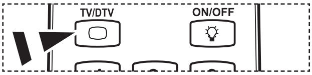
Source List : TV
Edit Name
Anynet+(HDMI-CEC)
WISELINK

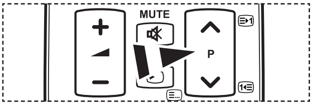


TV
Ext.1 : ----
Ext.2 : ----
AV : ----
S-Video : ----
Component : ----
PC : ----
▽More

Press the **SOURCE** button on the remote control to toggle between all the available source.
TV mode can be selected by pressing the **TV/DTV** button, number buttons(0~9), and the **P∧ / ∨** button on the remote control.

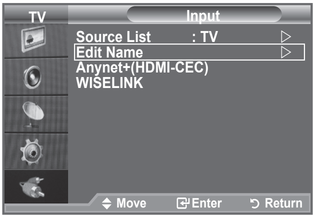


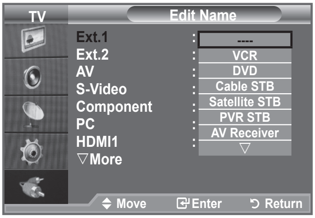




Editing the Input Source Names

Name the device connected to the input jacks to make your input source selection easier.


TV
Input
Source List : TV ▷
Edit Name ▷
Anynet+(HDMI-CEC)
WISELINK
Move
Enter
Return


TV
Edit Name
Ext.1 : ----
Ext.2 : VCR
AV : DVD
S-Video : Cable STB
Component : Satellite STB
PC : PVR STB
HDMI1 : AV Receiver
▽More
▽
Move
Enter
Return

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Input", then press the **ENTER**↵ button.
2. Press the ▲ or ▼ button to select "Edit Name", then press the **ENTER**↵ button.
3. Press the ▲ or ▼ button to select the device that you wish to edit.
   Press the **ENTER**↵ button.
4. Press the ▲ or ▼ button to select the required device.
   Press the **ENTER**↵ button.
5. Press the **EXIT** button to exit.
   ➢ When a PC with a resolution of 1920 x 1080@60Hz is connected to the HDMI IN 2 port, you should set the "HDMI2" mode to "PC" in the "Edit Name" of the "Input" mode.

Previewing the DTV Menu System

- ♦ The company does not guarantee the normal operation of the DTV menu for countries other than the supported countries (France, Germany, Italy, Netherlands, Spain, Switzerland, United Kingdom, Austria) because only these country standards are supported.
  In addition, when the country of the broadcast stream differs from the country selected by the current user, the string appearing in the channel banner, Info, Guide, Channel Manager, etc. may not be displayed properly.
- ♦ Available in DTV mode. Preset to the DTV mode by using the **TV/DTV** button on your remote control. To help you navigate around the on-screen menu system and adjust the various settings available, refer to the following illustration.

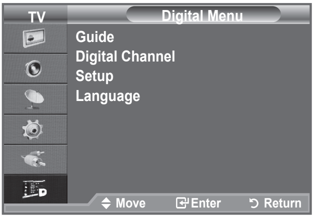
Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**⏎ button.

Guide
- Now & Next Guide
- Full Guide
- Scheduled List
- Default Guide — Now/Next, Full Guide

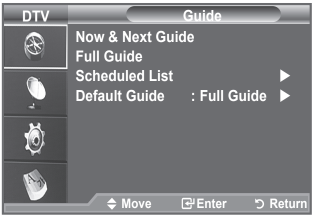
Digital Channel
- Country
- Auto Store
- Manual Store
- Edit Favourite Channels
- Channel List — All, Favourites, Default

Setup
- Menu Transparency — High, Medium, Low, Opaque
- Change PIN
- Parental Lock
- Subtitle — Off, On
- Subtitle Mode — Normal, Hard of hearing
- Audio Format — PCM, Dolby Digital
- Audio Description
  - Audio Description — Off, On
  - Volume
- Digital Text — Disable, Enable
- Time Zone
- Common Interface — Application Info, CI Menu
- System
  - Product Information
  - Signal Information
  - Software Upgrade
  - Reset

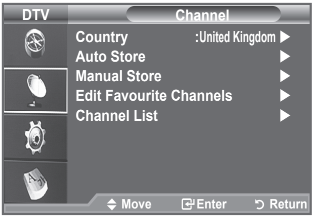
Language
- Audio Language
- Subtitle Language
- Teletext Language
- Preference
  - Primary Audio Language
  - Secondary Audio Language
  - Primary Subtitle Language
  - Secondary Subtitle Language
  - Primary Teletext Language
  - Secondary Teletext Language (Depending On the Country)


TV — Digital Menu

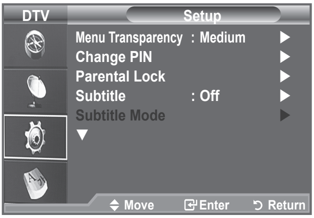
Guide
Digital Channel
Setup
Language


DTV — Guide

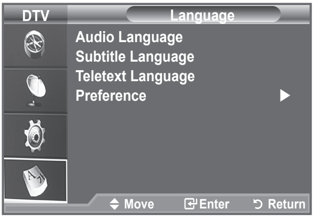
Now & Next Guide
Full Guide
Scheduled List ▶
Default Guide : Full Guide ▶


DTV — Channel

Country :United Kingdom ▶
Auto Store ▶
Manual Store ▶
Edit Favourite Channels ▶
Channel List ▶


DTV — Setup

Menu Transparency : Medium ▶
Change PIN ▶
Parental Lock ▶
Subtitle : Off ▶
Subtitle Mode ▶
▼

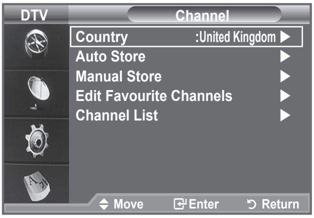

DTV — Language

Audio Language
Subtitle Language
Teletext Language
Preference ▶

➢ The sub-items of the CI Menu may vary depending on the CAM model.

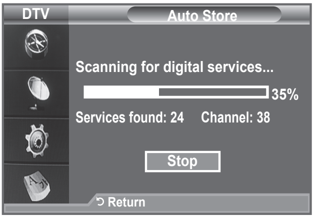
Updating the Channel List Automatically

You can update the channel list when the broadcaster adds new Services or if you move the TV to a new location.



Country :United Kingdom ▶

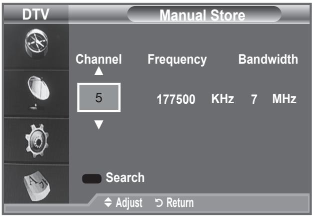
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**⏎ button.
2. Press the ▲ or ▼ button to select "Digital Channel", then press the **ENTER**⏎ button.
3. Press the **ENTER**⏎ button again, to select "Country".
4. Select the appropriate country by pressing the ▲ or ▼ button.
   Press the **ENTER**⏎ button to confirm your choice.
   ➢ Even though you have changed the country setting in this menu, the country setting for Analogue TV is not changed. (Refer to page 12)
5. Press the ▲ or ▼ button again, to select "Auto Store".
   Press the **ENTER**⏎ button.
   ➢ When it has finished, the number of scanned services will be displayed.
   ➢ The existing favourite channel list will not be deleted when the channel list is updated.
   ➢ To stop the scan before it has finished, press the **ENTER**⏎ button with "STOP" selected.
6. Press the **EXIT** button to exit.
   ➢ If the signal status is poor, the "No Service found! Check the aerial connection" message is displayed.



Scanning for digital services...
35%
Services found: 24 Channel: 38

Updating the Channel List Manually

You can specify the channel for a fast channel search.

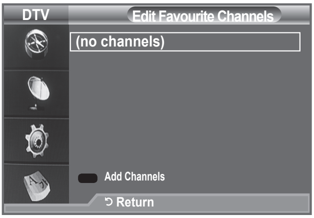


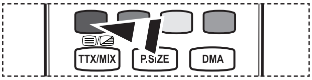
Channel ▲ 5 ▼ | Frequency 177500 KHz | Bandwidth 7 MHz

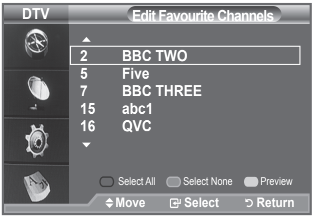
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**⏎ button.
2. Press the ▲ or ▼ button to select "Digital Channel", then press the **ENTER**⏎ button.
3. Press the ▲ or ▼ button to select "Manual Store", then press the **ENTER**⏎ button.
4. Press the ▲ or ▼ button to select the required option, then press the **ENTER**⏎ button.
   ➢ − **Channel** : Channel "5" to "69" in sequence are displayed (depending on the country)
   − **Frequency** : The frequency available in the Channel group is displayed.
   − **Bandwidth** : The available bandwidths are 7 and 8 MHz.
   ➢ Press the red button to start the scan for digital services.
   When it has finished, channels are updated in the channel list.
5. When it has finished, the number of scanned services will be displayed.
6. Press the **EXIT** button to exit.

Editing Your Favourite Channels

You can edit your favourite channels using the four colour buttons.


DTV
Edit Favourite Channels
(no channels)
Add Channels
Return

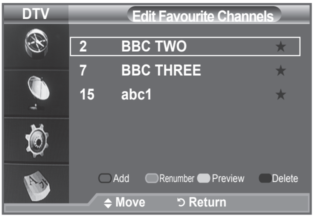

TTX/MIX
P.SIZE
DMA

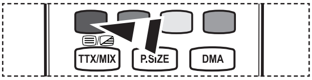

DTV
Edit Favourite Channels
2 BBC TWO
5 Five
7 BBC THREE
15 abc1
16 QVC
Select All
Select None
Preview
Move
Select
Return

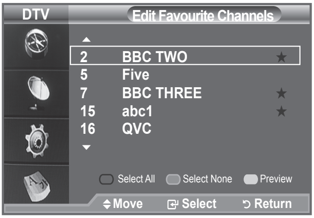
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**⏎ button.
2. Press the ▲ or ▼ button to select "Digital Channel", then press the **ENTER**⏎ button.
3. Press the ▲ or ▼ button to select "Edit Favourite Channels", then press the **ENTER**⏎ button.
4. Press the red button to display all currently stored channels.
5. Press the ▲ or ▼ button to select a channel you want.
   Press the **ENTER**⏎ button.
   ➣ A "★" icon is shown next to the selected channel and the channel will be added to the favourite channel list.
   ➣ • To undo, press the **ENTER**⏎ button again.
   • **Select All**: Select all channels currently displayed.
   • **Select None**: Deselect all selected channels.
   • **Preview:** Displays (a) currently selected channel(s).
   ➣ The Favourite Channels settings have been completed.
6. Press the **EXIT** button to exit.

♦ Add

You can use this function when one or more favourite channels have been selected.


DTV
Edit Favourite Channels
2 BBC TWO ★
7 BBC THREE ★
15 abc1 ★
Add
Renumber
Preview
Delete
Move
Return

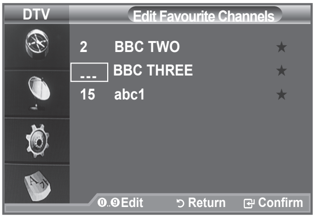

TTX/MIX
P.SIZE
DMA

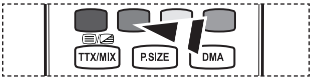

DTV
Edit Favourite Channels
2 BBC TWO ★
5 Five
7 BBC THREE ★
15 abc1 ★
16 QVC
Select All
Select None
Preview
Move
Select
Return

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**⏎ button.
2. Press the ▲ or ▼ button to select "Digital Channel", then press the **ENTER**⏎ button.
3. Press the ▲ or ▼ button to select "Edit Favourite Channels", then press the **ENTER**⏎ button.
4. Press the red button in the "Edit Favourite Channels" menu.
   To add more channels, refer to the step **5** on the previous description.
5. If you want to check the channel to be stored, press **RETURN** button.
   Press the **EXIT** button to exit.
   ➣ • To add all channels to the favourite channel list, press the red button.
   • To remove all channels, press the green button.
   • **Preview** : Displays (a) currently selected channel(s).
   • Press the **CH LIST** button to display the favourite channel manager.

♦ Renumber (depending on the country)

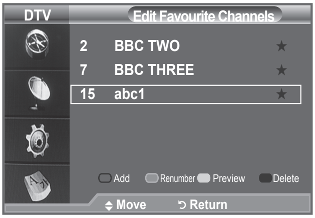
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**⏎ button.
2. Press the ▲ or ▼ button to select "Digital Channel", then press the **ENTER**⏎ button.
3. Press the ▲ or ▼ button to select "Edit Favourite Channels", then press the **ENTER**⏎ button.
4. Select the required channel using the ▲ or ▼ button.
5. Press the green button.
   ➣ The space for entering the number is a blank.
6. Enter the new channel number. Press **ENTER**⏎ button to store or **RETURN** button to cancel.
   ➣ Press the ◄ button to delete an entered digit.
   ➣ If you enter a number already assigned to another channel, the number is assigned to the selected channel and the previous number assigned to the selected channel is assigned to the other channel.
   That is, the two numbers are exchanged.
   ➣ The Favourite Channels are automatically sorted in ascending order of channel numbers.
7. Press the **EXIT** button to exit.

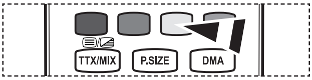

DTV
Edit Favourite Channels
2 BBC TWO ★
--- BBC THREE ★
15 abc1 ★
0..9 Edit
Return
Confirm


TTX/MIX
P.SIZE
DMA

♦ Preview

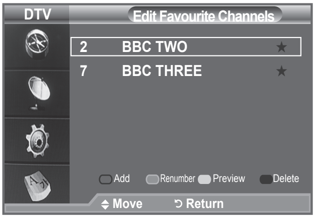
1. In the "Edit Favourite Channels" menu, select the channel to be previewed by pressing the ▲ or ▼ button.
2. Press the yellow button.
   ➣ The selected channel is displayed on the screen.

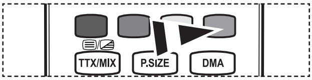

DTV
Edit Favourite Channels
2 BBC TWO ★
7 BBC THREE ★
15 abc1 ★
Add
Renumber
Preview
Delete
Move
Return


TTX/MIX
P.SIZE
DMA

♦ Delete

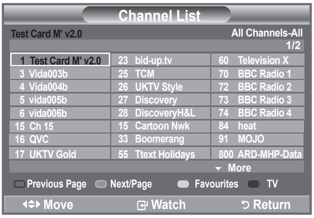
1. In the "Edit Favourite Channels" menu, select the channel to be deleted from the favourite channels list by pressing the ▲ or ▼ button.
2. Press the blue button.
   ➣ The selected channel and number will be deleted.
   ➣ To add a deleted channel back in to the favourite channel list, see "Add" on page 32.


DTV
Edit Favourite Channels
2 BBC TWO ★
7 BBC THREE ★
Add
Renumber
Preview
Delete
Move
Return


TTX/MIX
P.SIZE
DMA

Selecting Channel List

You can exclude the channels you have chosen from the channels you have scanned.When you scan through the stored channels, those you have chosen to skip are not displayed. All channels that you do not specifically choose to skip are displayed during scanning.

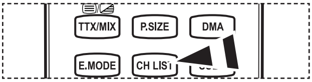


Channel List

Test Card M' v2.0 All Channels-All

1/2

1 Test Card M' v2.0	23 bid-up.tv	60 Television X
3 Vida003b	25 TCM	70 BBC Radio 1
4 Vida004b	26 UKTV Style	72 BBC Radio 2
5 vida005b	27 Discovery	73 BBC Radio 3
6 vida006b	28 DiscoveryH&L	74 BBC Radio 4
15 Ch 15	15 Cartoon Nwk	84 heat
16 QVC	33 Boomerang	91 MOJO
17 UKTV Gold	55 Ttext Holidays	800 ARD-MHP-Data



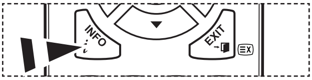
It can be displayed simply by pressing the **CH LIST** button.

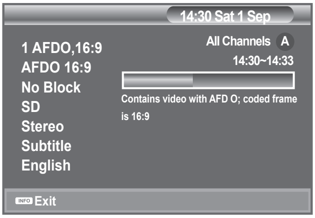
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER** button.
2. Press the ▲ or ▼ button to select "Digital Channel", then press the **ENTER** button.
3. Press the ▲ or ▼ button to select "Channel List".
   Press the **ENTER** button.
4. Press the ▲ or ▼ button to select "All", "Favourites" or "Default".
   Press the **ENTER** button.
5. Press the yellow button to toggle between your favourite channels and all channels.
   ➣ Your favourite channels are only displayed if they were previously set in the "Editing Your Favourite Channels" menu (refer to page 32).
6. Press the red or green button to display the previous or next channel List page.
7. Press the ▲ or ▼ button to select a channel to be tuned.
   Press the **ENTER** button.
   ➣ The channel number, name and an icon are displayed in the top left corner while changing the channel. The channel number and name are displayed if the channel is one of the all channels, and a ★ icon if the channel is one of the favourite channels.
8. Press the blue button to toggle between your "TV", "Radio", "Data/Other" and "All".
9. Press the **CH LIST** button to exit from the channel List.

Displaying Programme Information

While viewing a channel, additional information about the current programme may be displayed.

1. While viewing a programme, press the **INFO** button.
   ➣ The programme information is displayed.
2. To exit from banner information, press the **INFO** button.
   ➣ The information is displayed:
   - Parental Rating
   - Video Type: SD, HD, Radio
   - Audio Type: Mono, Stereo, Dual, Dolby Digital
   - Existence of Teletext or DVB Subtitle
   - Audio Language





14:30 Sat 1 Sep

All Channels A

14:30~14:33

1 AFDO,16:9
AFDO 16:9
No Block
SD
Stereo
Subtitle
English

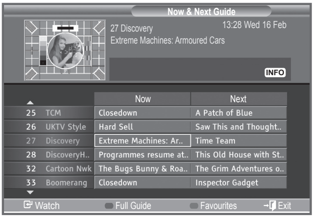
Contains video with AFD O; coded frame is 16:9

Viewing the EPG (Electronic Programme Guide) Information

The EPG (Electronic Programme Guide) information is provided by the broadcasters. Programme entries may appear blank or out of date as a result of the information broadcast on a given channel. The display will dynamically update as soon as new information becomes available.

♦ **Now & Next Guide**
For the six channels indicated in the left-hand column, displays the Current programme and the Next programme information.

♦ **Full Guide**
Displays the programme information as time ordered One hour segments. Two hours of programme information is displayed which may be scrolled forwards or backwards in time.

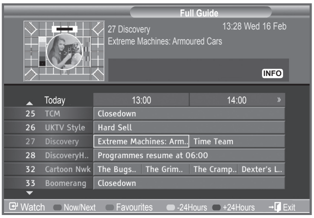


Now & Next Guide

27 Discovery
13:28 Wed 16 Feb
Extreme Machines: Armoured Cars
INFO

		Now	Next
25	TCM	Closedown	A Patch of Blue
26	UKTV Style	Hard Sell	Saw This and Thought..
27	Discovery	Extreme Machines: Ar..	Time Team
28	DiscoveryH..	Programmes resume at..	This Old House with St..
32	Cartoon Nwk	The Bugs Bunny & Roa..	The Grim Adventures o..
33	Boomerang	Closedown	Inspector Gadget

Watch · Full Guide · Favourites · Exit



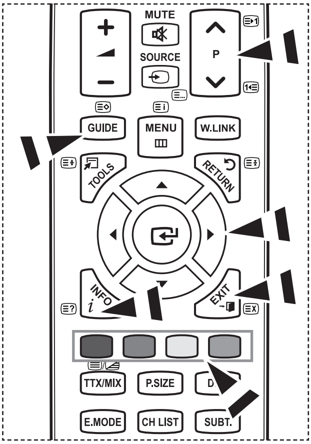
Full Guide

27 Discovery
13:28 Wed 16 Feb
Extreme Machines: Armoured Cars
INFO

	Today	13:00		14:00	»
25	TCM	Closedown			
26	UKTV Style	Hard Sell			
27	Discovery	Extreme Machines: Arm..		Time Team	
28	DiscoveryH..	Programmes resume at 06:00			
32	Cartoon Nwk	The Bugs..	The Grim..	The Cramp..	Dexter's L..
33	Boomerang	Closedown			

Watch · Now/Next · Favourites · -24Hours · +24Hours · Exit

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**⏎ button.
2. Press the **ENTER**⏎ button, to select "Guide".
3. Press the ▲ or ▼ button to select "Now & Next Guide" or "Full Guide".
   Press the **ENTER**⏎ button.
   ➣ You can also display the guide menu simply by pressing the **GUIDE** button.



4.

To...	Then...
Watch a programme in the EPG list	• Select a programme by pressing the ▲, ▼, ◄, ► button. • Press the **ENTER**⏎ button.
➣ If the next programme is selected, it is scheduled with the clock icon displayed. If the **ENTER**⏎ button is pressed again, the scheduling is cancelled with the clock icon gone. For details about scheduling programmes, refer to the next page.	
View programme information	• Select a programme of your choice by pressing the ▲, ▼, ◄, ► button. • Press the **INFO** button when the programme of your choice is highlighted.
Toggle between the "Now & Next Guide" or "Full Guide"	• Press the red button repeatedly.
Display the "Favourites" and the "All Channels" list	• Press the green button repeatedly.
Scrolls backwards quickly (24 hours).	• Press the yellow button repeatedly.
Scrolls forward quickly (24 hours).	• Press the blue button repeatedly.
Exit the guide	• Press the **EXIT** button.

➣ The programme title is on the upper part of the screen center. Please click on **INFO** button for the detailed information. Channel Number, Running Time, Status Bar, Parental Level, Video Quality Information(HD/SD), Sound Modes, Subtitle or Teletext, Languages of Subtitle or Teletext, and brief summary of the highlighted programme are included on the detailed information. "..." will be appeared if the summary is long.

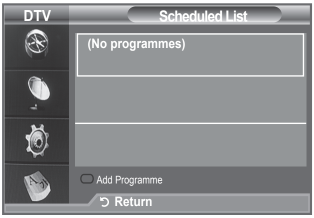
➣ Six channels are displayed. To scroll between channels, move to a channel using the ▲ or ▼ button. To display page by page, use the **P** ∧ or **P** ∨ button.

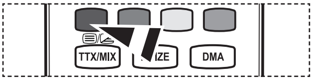
Using the Scheduled List

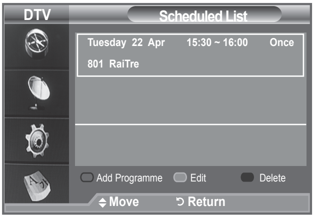
If you make a scheduled viewing list of programs you may like to see, the channel will be automatically switched to the scheduled programme at the scheduled time even if you are watching another programme.

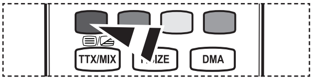
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**⏎ button.
2. Press the **ENTER**⏎ button, to select "Guide".
3. Press the ▲ or ▼ button to select "Scheduled List", then press the **ENTER**⏎ button.
4. Press the red button.
   The channel will be switched to the scheduled programme.
5. Press the **ENTER**⏎ button to select an item and adjust with the ▲ or ▼ button .
   ➢ You can also set hour and minute by pressing the number buttons on the remote control.
   - **Channel:** Set the channel.
   - **Time:** Set the time.
   - **Date:** Set Year, Month and Day.
   - **Frequency:** Set the frequency.
     ("Once", "Daily", or "Weekly")
6. After setting the schedule, Press the red button.
7. Press the **EXIT** button to exit.

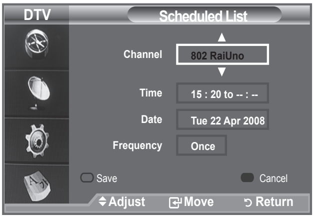
➢
- **Save**: Save the adjusted schedule.
- **Cancel**: Cancel the adjusted schedule.
- **Add Programme**: Add a new schedule.
- **Edit**: Readjust the selected schedule.
- **Delete**: Delete the selected schedule.


DTV
Scheduled List
(No programmes)
Add Programme
Return




DTV
Scheduled List
Tuesday 22 Apr 15:30 ~ 16:00 Once
801 RaiTre
Add Programme Edit Delete
Move Return

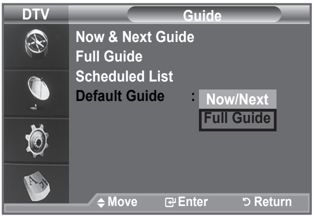


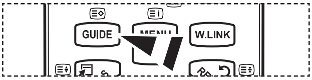

DTV
Scheduled List
Channel: 802 RaiUno
Time: 15 : 20 to -- : --
Date: Tue 22 Apr 2008
Frequency: Once
Save Cancel
Adjust Move Return

Setting the Default Guide

You can preset the default guide style.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**⏎ button.
2. Press the **ENTER**⏎ button, to select "Guide".
3. Press the ▲ or ▼ button to select "Default Guide", then press the **ENTER**⏎ button.
4. Select "Now/Next" or "Full Guide" using the ▲ or ▼ button, and press the **ENTER**⏎ button.
5. Press the **EXIT** button to exit.

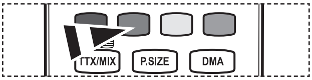

DTV
Guide
Now & Next Guide
Full Guide
Scheduled List
Default Guide : Now/Next
Full Guide
Move Enter Return

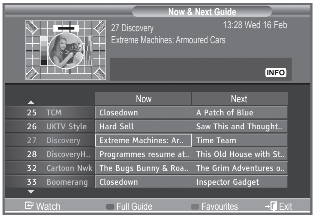


You can select these options by simply pressing the **GUIDE** button on the remote control.

Viewing All Channels and Favourite Channels

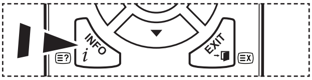
In the EPG menu, you can display all channels or favourite channels.

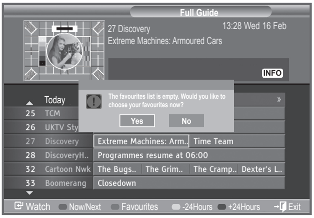



Now & Next Guide

27 Discovery
Extreme Machines: Armoured Cars
13:28 Wed 16 Feb

		Now	Next
25	TCM	Closedown	A Patch of Blue
26	UKTV Style	Hard Sell	Saw This and Thought..
27	Discovery	Extreme Machines: Ar..	Time Team
28	DiscoveryH..	Programmes resume at..	This Old House with St..
32	Cartoon Nwk	The Bugs Bunny & Roa..	The Grim Adventures o..
33	Boomerang	Closedown	Inspector Gadget




Full Guide

27 Discovery
Extreme Machines: Armoured Cars
13:28 Wed 16 Feb

The favourites list is empty. Would you like to choose your favourites now?

Yes No

Today
25 TCM
26 UKTV Sty
27 Discovery | Extreme Machines: Arm.. | Time Team
28 DiscoveryH.. | Programmes resume at 06:00
32 Cartoon Nwk | The Bugs.. | The Grim.. | The Cramp.. | Dexter's L..
33 Boomerang | Closedown

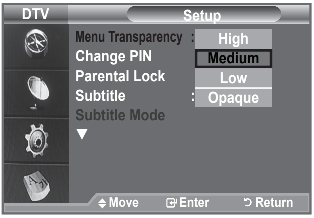
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER** button.
2. Press the **ENTER** button again, to select "Guide".
3. Select the your required guide ("Now & Next Guide" or "Full Guide") by pressing the ▲ or ▼ button.
4. Press the **ENTER** button.
5. Press the green button.
   All the channel lists and the Favourite Channel lists will be toggled.
6. Select a programme of your choice by pressing the ▲, ▼, ◄, or ► button.
7. Press the **INFO** button to display information about the highlighted programme.
8. When the Edit Favourite Channels list has not been set up:
   - "The favourites list is empty.
     Would you like to choose your favourites now?" message is displayed.
   - Select "Yes".
     The "Edit Favourite Channels" menu is displayed.
     If you select "No", all channels will remain unchanged.
   - To edit the favourite channels, refer to page 32 for more details.
9. Press the **EXIT** button to exit.

➢ "All Channels" is the list of channels that have been scanned by the channel list update.
All channels are displayed in the all channel mode.

➢ "Favourites" (favourite channels) is the list of channels that has been set in the "Edit Favourite Channels" menu (refer to page 32).

Adjusting the Menu Transparency

You can set the Transparency of the menu.


DTV **Setup**

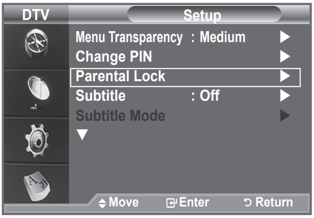
Menu Transparency : High / Medium / Low / Opaque
Change PIN
Parental Lock
Subtitle :
Subtitle Mode

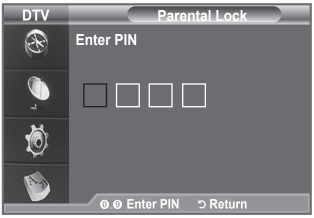
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER** button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER** button.
3. Press the ▲ or ▼ button to select "Menu Transparency" then press the **ENTER** button.
4. Select the required option ("High", "Medium", "Low", or "Opaque") by pressing the ▲ or ▼ button, and press the **ENTER** button to change the setting.
5. Press the **EXIT** button to exit.

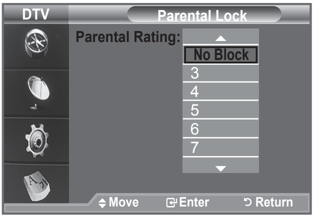
Setting up the Parental Lock

This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by a 4-digit PIN (Personal Identification Number) code that is defined by the user. The on-screen menu will instruct you to assign a PIN code (you can change it later, if necessary).

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER** button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER** button.
3. Press the ▲ or ▼ button to select "Parental Lock", then press the **ENTER** button.
4. The "Enter PIN" is displayed.
5. Enter your current 4-digit PIN code by using the numeric buttons (0~9).
   ➢ The default PIN code for a new TV set is 0000.
   ➢ If you enter an invalid PIN code,the "Invalid PIN code. Please try again." message is displayed.
6. Press the **ENTER** button.
7. Press the ▲ or ▼ button to select the age rating you want to lock out.
   Press the **ENTER** button.

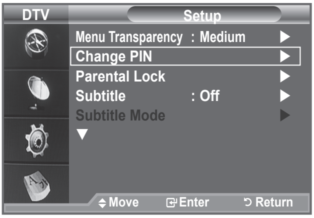

DTV
Setup
Menu Transparency : Medium
Change PIN
Parental Lock
Subtitle : Off
Subtitle Mode
Move
Enter
Return

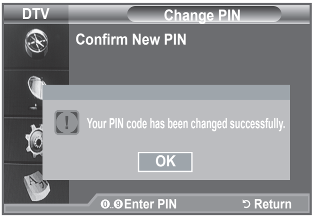

DTV
Parental Lock
Enter PIN
0..9 Enter PIN
Return


DTV
Parental Lock
Parental Rating:
No Block
3
4
5
6
7
Move
Enter
Return

- ♦ **Change PIN**

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER** button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER** button.
3. Press the ▲ or ▼ button to select "Change PIN", then press the **ENTER** button.
   ➢ The "Enter PIN" is displayed.
4. Enter your current 4-digit PIN code by using the numeric buttons (0~9).
   ➢ The “Enter New PIN” is displayed.
5. Enter your new PIN code by using the numeric buttons (0~9)
   ➢ The "Confirm New PIN" is displayed.
6. Re-enter your new PIN code to confirm by using the numeric buttons (0~9).
   ➢ The "Your PIN code has been changed successfully." message is displayed.
7. Press the **ENTER** button.
8. Press the **EXIT** button to exit.
   ➢ If you forget the PIN code, press the remote control buttons in the following sequence, which resets the PIN to **0-0-0-0:POWER (Off), MUTE, 8, 2, 4, POWER (On).**


DTV
Setup
Menu Transparency : Medium
Change PIN
Parental Lock
Subtitle : Off
Subtitle Mode
Move
Enter
Return


DTV
Change PIN
Confirm New PIN
OK
0..9Enter PIN
Return

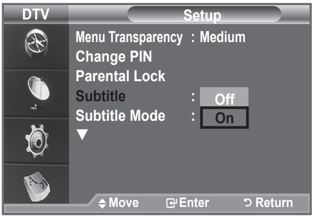
Your PIN code has been changed successfully.

Setting the Subtitle

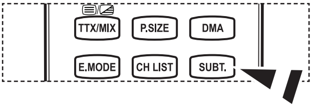
You can activate and deactivate the subtitles.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**↵ button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER**↵ button.
3. Press the ▲ or ▼ button to select "Subtitle ", then press the **ENTER**↵ button.
4. Select "On" by pressing the ▲ or ▼ button. Press the **ENTER**↵ button.
5. Press the **EXIT** button to exit.

☞ You can select these options simply by pressing the **SUBT.** button on the remote control.



Menu Transparency : Medium
Change PIN
Parental Lock
Subtitle : Off
Subtitle Mode : On
▼

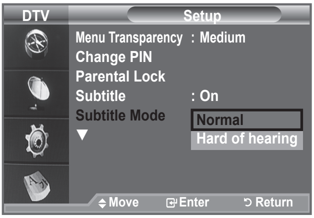


Setting the Subtitle Mode

Use this menu to set the Subtitle Mode. "Normal" under the menu is the basic subtitle and "Hard of hearing" is the subtitle for a hearing-impaired person.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**↵ button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER**↵ button.
3. Press the ▲ or ▼ button to select "Subtitle Mode", then press the **ENTER**↵ button.
4. Press the ▲ or ▼ button to select "Normal" or "Hard of hearing". Press the **ENTER**↵ button.
5. Press the **EXIT** button to exit.

➢ If the programme you are watching does not support the "Hard of hearing" function, "Normal" automatically activates even though "Hard of hearing" mode is selected.



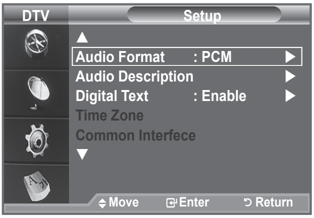
Menu Transparency : Medium
Change PIN
Parental Lock
Subtitle : On
Subtitle Mode : Normal
Hard of hearing
▼

Selecting the Audio Format

You can only hear Dolby Digital sound through the audio receiver connected through an optical cable. You can only hear PCM sound through the main speaker.
When sound is emitted from both the main speaker and the audio receiver, a sound echo may occur due to the decoding speed difference between the main speaker and the audio receiver. In this case, use the internal mute function.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**↵ button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER**↵ button.
3. Press the ▲ or ▼ button to select "Audio Format", then press the **ENTER**↵ button.
4. Press the ▲ or ▼ button to select "PCM" or "Dolby Digital". Press the **ENTER**↵ button.
5. Press the **EXIT** button to exit.

➢ The Audio Format appears according to the broadcasting signal.
Dolby digital sound is only available when the TV is connected with an external speaker using an optical cable.

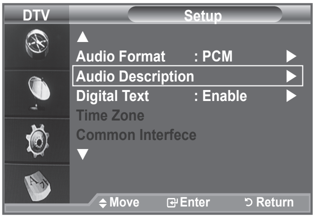


▲
Audio Format : PCM ▶
Audio Description ▶
Digital Text : Enable ▶
Time Zone
Common Interfece
▼

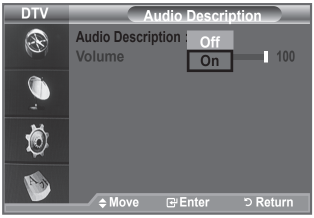
Selecting the Audio Description

This is an auxiliary audio function that provides an additional audio track for visually challenged persons. This function handles the Audio Stream for the AD (Audio Description), when it is sent along with the Main audio from the broadcaster. Users can turn the Audio Description On or Off and control the volume.

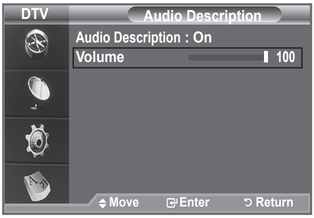
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**⏎ button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER**⏎ button.
3. Press the ▲ or ▼ button to select "Audio Description", then press the **ENTER**⏎ button.
4. Press the ▲ or ▼ button to select "On", then press the **ENTER**⏎ button.
5. Press the ▲ or ▼ button to select "Volume", then press the **ENTER**⏎ button.
   ➣ "Volume" is active when "Audio Description" is set to "On".
6. Press the ◄ or ► button until you reach the optimal setting.
   Press the **ENTER**⏎ button.
7. Press the **EXIT** button to exit.



Audio Format : PCM ►
Audio Description ►
Digital Text : Enable ►



Audio Description : Off / On
Volume 100

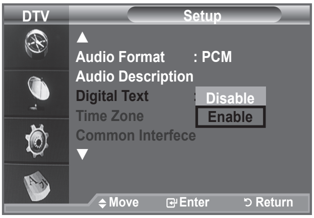


Audio Description : On
Volume 100

Selecting the Digital Text (UK only)

If the programme is broadcast with digital text, this feature is enabled.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER**⏎ button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER**⏎ button.
3. Press the ▲ or ▼ button to select "Digital Text", then press the **ENTER**⏎ button.
4. Press the ▲ or ▼ button to select "Disable" or "Enable". Press the **ENTER**⏎ button.
5. Press the **EXIT** button to exit.



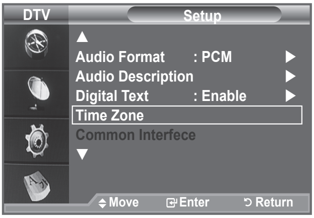
Audio Format : PCM
Audio Description
Digital Text : Disable / Enable

➣ MHEG(Multimedia and Hypermedia Information Coding Experts Group) An International standard for data encoding systems used in multimedia and hypermedia. This is at a higher level than the MPEG system which includes data-linking hypermedia such as still images, character service, animation, graphic and video files as well as multimedia data. MHEG is user runtime interaction technology and is being applied to various fields including VOD (Video-On-Demand), ITV (Interactive TV), EC (Electronic Commerce), tele-education, tele-conferencing, digital libraries and network games.

Selecting the Time Zone (Spain only)

Select the local time zone.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER↵** button.
3. Press the ▲ or ▼ button to select "Time Zone", then press the **ENTER↵** button.
4. Select the time zone where you locate by pressing the ▲ or ▼ button.
   Press the **ENTER↵** button.
   ➣ The following options are available
   The Iberian Peninsula and Balearic Islands -
   Canary Islands
5. Press the **EXIT** button to exit.


DTV Setup

▲

Audio Format : PCM ▶

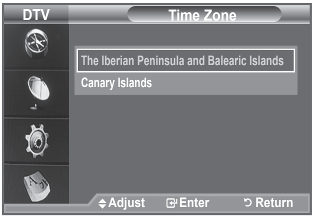
Audio Description ▶

Digital Text : Enable ▶

Time Zone

Common Interfece

▼


DTV Time Zone

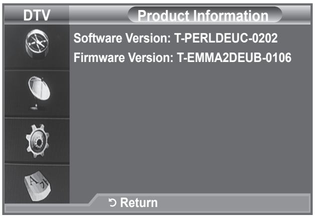
The Iberian Peninsula and Balearic Islands

Canary Islands

Viewing Product Information

You can view your product information. For service or repair, please contact a Samsung approved dealer.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER↵** button.
3. Press the ▲ or ▼ button to select "System", then press the **ENTER↵** button.
4. Press the **ENTER↵** button again to select "Product Information".
   ➣ The Product Information menu is selected.
   - Software Version, Firmware Version
5. Press the **EXIT** button to exit.

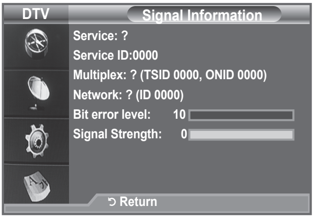

DTV Product Information

Software Version: T-PERLDEUC-0202

Firmware Version: T-EMMA2DEUB-0106

Checking the Signal Information

You can get information about the signal status.



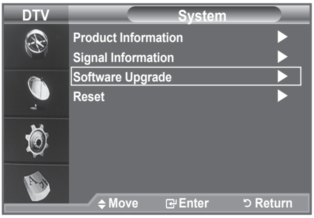
Service: ?
Service ID:0000
Multiplex: ? (TSID 0000, ONID 0000)
Network: ? (ID 0000)
Bit error level: 10
Signal Strength: 0

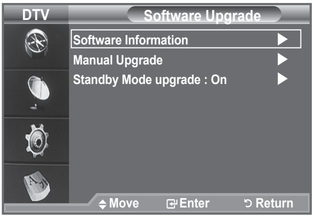
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER↵** button.
3. Press the ▲ or ▼ button to select "System", then press the **ENTER↵** button.
4. Press the ▲ or ▼ button to select "Signal Information", then press the **ENTER↵** button.
5. Press the **EXIT** button to exit.

➢ If the signal status is poor, the "No signal." message is displayed.

Upgrading the Software

To keep your product up-to-date with new Digital Television features then software upgrades are periodically broadcast as part of the normal Television signal.
It will automatically detect these signals and display the software upgrade banner. You are given the option to install the upgrade.





1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER↵** button.
3. Press the ▲ or ▼ button to select "System", then press the **ENTER↵** button.
4. Press the ▲ or ▼ button to select "Software Upgrade", then press the **ENTER↵** button.
5. Press the ▲ or ▼ button to select “Software Information”, “Manual Upgrade” or “Standby Mode upgrade”.
   Press the **ENTER↵** button.

♦ **Software Information**
Press the **ENTER↵** button, then the current software version is shown. To display the software version information, press the **ENTER↵** button again.
To switch to an alternative version, press the red button.
Press the blue button to reset, activate the upgrade and restart.

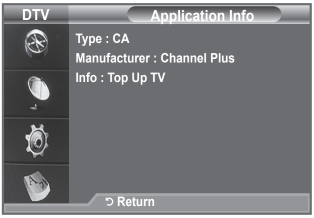
♦ **Manual Upgrade**
Press the **ENTER↵** button to search for new software from the currently broadcasting channels.

♦ **Standby Mode Upgrade: On / Off**
Press the **ENTER↵** button. To continue software upgrade with master power on, Select On by pressing the ▲ or ▼ button. 45 minutes after entering standby mode, a manual upgrade is automatically conducted. Since the power of the unit is turned on internally, the screen may be on slightly for the LCD product. This phenomenon may continue for more than 1 hour until the software upgrade is completed.

6. Press the **EXIT** button to exit.

Viewing Common Interface

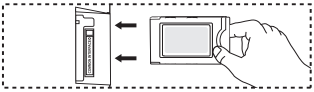
This contains information on CAM inserted in the CI slot and displays it.

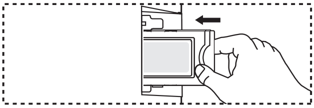


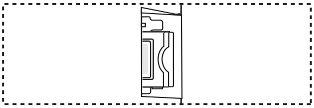
Type : CA
Manufacturer : Channel Plus
Info : Top Up TV

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER↵** button.
3. Press the ▲ or ▼ button to select "Common Interface", then press the **ENTER↵** button.
4. Press the **ENTER↵** button to display the information for your application.
5. Press the **EXIT** button to exit.

➣ The Application Info inserting is about the CI CARD.
You can install the CAM anytime whether the TV is ON or OFF.



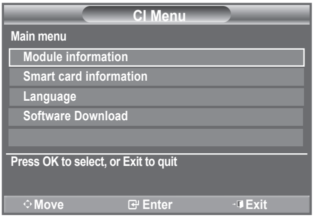




1. Purchase the CI CAM module by visiting your nearest dealer or by phone.
2. Insert the CI CARD into the CAM in the direction of the arrow until it fits.
3. Insert the CAM with the CI CARD installed into the common interface slot.
   (Insert the CAM in the direction of the arrow, right up to the end so that it is parallel with the slot.)
4. Check if you can see a picture on a scrambled signal channel.

Selecting the CI (Common Interface) Menu

This enables the user to select from the CAM-provided menu.



Press OK to select, or Exit to quit

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER↵** button.
3. Press the ▲ or ▼ button to select "Common Interface", then press the **ENTER↵** button.
4. Select to "CI Menu" by pressing the ▲ or ▼ button, and press the **ENTER↵** button.
5. Select the required option by pressing the ▲ or ▼ button, and press the **ENTER↵** button.
6. Press the **EXIT** button to exit.

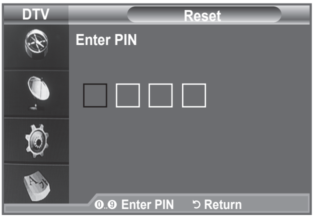
➣ Select the CI Menu based on the menu PC Card.

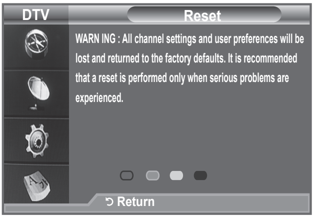
Resetting

You can reset the values stored to the factory default values.

➢ The Reset operation deletes all channel information and user preferences returning all values to their default factory state.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Setup", then press the **ENTER↵** button.
3. Press the ▲ or ▼ button to select "System", then press the **ENTER↵** button.
4. Press the ▲ or ▼ button to select "Reset", then press the **ENTER↵** button.
5. The "Enter PIN" screen will appear.
6. Enter your current 4-digit PIN code by using the numeric buttons (0~9).
   ➢ The warning message is displayed. All values will be reset by pressing the coloured buttons (red, green, yellow, and blue) in turn.
7. Press the **EXIT** button to exit.


DTV
Reset
Enter PIN
☐☐☐☐
0..9 Enter PIN
↺ Return


DTV
Reset

WARNING : All channel settings and user preferences will be lost and returned to the factory defaults. It is recommended that a reset is performed only when serious problems are experienced.

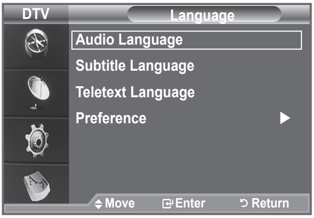
↺ Return

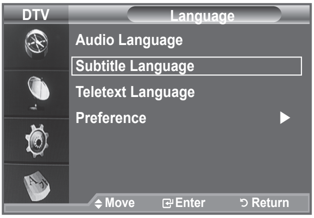
Selecting the Preferred Language (Subtitle, Audio or Teletext)

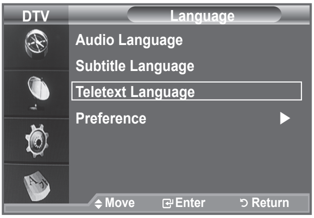
You can change the default value for subtitle, audio teletext languages.
Displays the language information for the incoming stream.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Digital Menu", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "Language", then press the **ENTER↵** button.
3. Press the ▲ or ▼ button to select "Audio Language", "Subtitle Language" or "Teletext Language".
   Press the **ENTER↵** button.
4. Select a particular language by pressing the ▲ or ▼ button repeatedly.
   Press the **ENTER↵** button.
   ➢ English is the default in cases where the selected language is unavailable in the broadcast.
5. Press the **EXIT** button to exit.

➢ While viewing a programme, the subtitle can be selected While viewing a programme, audio languages can be selected.


DTV
Language
Audio Language
Subtitle Language
Teletext Language
Preference ▶
◆ Move
↵ Enter
↺ Return

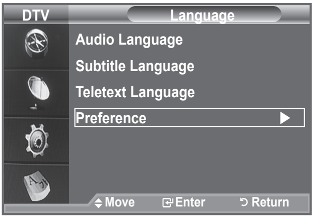

DTV
Language
Audio Language
Subtitle Language
Teletext Language
Preference ▶
◆ Move
↵ Enter
↺ Return


DTV
Language
Audio Language
Subtitle Language
Teletext Language
Preference ▶
◆ Move
↵ Enter
↺ Return

Preference

This menu consists of 6 sub-menus:
Primary Audio Language, Secondary Audio Language, Primary Subtitle Language, Secondary Subtitle Language, Primary Teletext Language, Secondary Teletext Language.

Using this feature, users can select one of the languages (English, German, Italian, Swedish, French, Welsh, Gaelic, Irish, Danish, Finnish, Spanish, Dutch). The language selected here is the default when the user selects a channel.



♦ Press the ▲ or ▼ button to select required menu (Primary Audio Language, Secondary Audio Language, Primary Subtitle Language, Secondary Subtitle Language, Primary Teletext Language, Secondary Teletext Language), then press the **ENTER** button. The options of the selected menu are displayed.

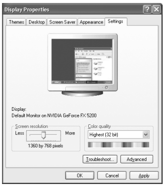
♦ Select the appropriate language by pressing the ▲ or ▼ button.
Press the **ENTER** button to confirm your choice.

➣ If you change the language setting, the Subtitle Language, Audio Language, and the Teletext Language of the Language menu (refer to page 44) are automatically changed to the selected language.

➣ The Subtitle Language, Audio Language, and the Teletext Language of the Language menu show a list of languages supported by the current channel and the selection is highlighted. If you change this language setting, the new selection is only valid for the current channel. The changed setting does not change the setting of the Primary Subtitle Language, Primary Audio Language, or the Primary Teletext Language of the Preference menu.

Setting up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below. The actual screens on your PC may be different depending upon your particular version of Windows and your particular video card. Even if your actual screens look different, the same, basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)



Display:
Default Monitor on NVIDIA GeForce FX 5200

Screen resolution: 1360 by 768 pixels

Color quality: Highest (32 bit)

1. First, click on "Control Panel" on the Windows start menu.
2. When the control panel window appears, click on "Appearance and Themes" and a display dialog-box will appear.
3. When the control panel window appears, click on "Display" and a display dialog-box will appear.
4. Navigate to the "Settings" tab on the display dialog-box.
   The correct size setting (resolution): Optimum- 1920 X 1080
   If a vertical-frequency option exists on your display settings dialog box, the correct value is "60" or "60 Hz". Otherwise, just click "OK" and exit the dialog box.

Display Modes

Both screen position and size will vary depending on the type of PC monitor and its resolution. The resolutions in the table are recommended.

➣ **D-Sub Input**

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640 x 350	31.469	70.086	25.175	+ / -
	720 x 400	31.469	70.087	28.322	- / +
VESA	640 x 480	31.469	59.940	25.175	- / -
	640 x 480	37.861	72.809	31.500	- / -
	640 x 480	37.500	75.000	31.500	- / -
	800 x 600	37.879	60.317	40.000	+ / +
	800 x 600	48.077	72.188	50.000	+ / +
	800 x 600	46.875	75.000	49.500	+ / +
	1024 x 768	48.363	60.004	65.000	- / -
	1024 x 768	56.476	70.069	75.000	- / -
	1024 x 768	60.023	75.029	78.750	+ / +
	1280 x 1024	63.981	60.020	108.000	+ / +
	1280 x 1024	79.976	75.025	135.000	+ / +
	1360 x 768	47.712	60.015	85.500	+ / +
	1600 x 1200	75.000	60.000	162.000	+ / +
CVT	1920 x 1080RB	66.587	59.934	138.500	+ / -

➣ **HDMI/DVI Input**

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
VESA	640 x 480	31.469	59.940	25.175	- / -
	800 x 600	37.879	60.317	40.000	+ / +
	1024 x 768	48.363	60.004	65.000	- / -
	1280 x 1024	63.981	60.020	108.000	+ / +
	1360 x 768	47.712	60.015	85.500	+ / +
	1600 x 1200	75.000	60.000	162.000	+ / +
CEA	1920 x 1080p	67.500	60.000	148.500	+ / +

➣ When using an HDMI/DVI cable connection, you must use the HDMI IN 2 jack.

➣ The interlace mode is not supported.

➣ The set might operate abnormally if a non-standard video format is selected.

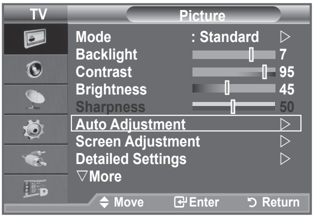
➣ Separate and Composite modes are supported. SOG is not supported.

➣ Too long or low quality VGA cable can cause picture noise at high resolution modes (1920x1080 or 1600x1200).

Setting up the TV with your PC

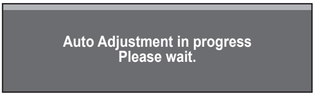
➢ Press the **SOURCE** button to select PC mode.

1. Press the **MENU** button to display the menu.
   Press the **ENTER** button, to select "Picture".
2. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button.
3. When you are satisfied with your setting, press the **ENTER** button.
4. Press the **EXIT** button to exit.



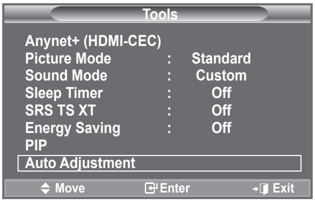
Mode : Standard ▷
Backlight 7
Contrast 95
Brightness 45
Sharpness 50
Auto Adjustment ▷
Screen Adjustment ▷
Detailed Settings ▷
▽More

◆ **Auto Adjustment**
Auto adjustment allows the PC screen of set to self-adjust to the incoming PC video signal. The values of fine, coarse and position are adjusted automatically.


Auto Adjustment in progress
Please wait.

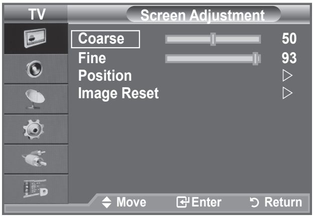
Easy Setting

1. Press the **TOOLS** button on the remote control.
2. Press the ▲ or ▼ button to select “Auto Adjustment”, then press the **ENTER** button.



Anynet+ (HDMI-CEC)
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
SRS TS XT : Off
Energy Saving : Off
PIP
Auto Adjustment

◆ **Screen Adjustment:**
Coarse/Fine
The purpose of picture quality adjustment is to remove or reduce picture noise. If the noise is not removed by Fine-tuning alone, then adjust the frequency as best as possible (coarse) and Fine-tune again. After the noise has been reduced, readjust the picture so that it is aligned on the center of screen.
Press the ▲ or ▼ button to select "Coarse" or "Fine", then press the **ENTER** button.
Press the ◀ or ▶ button to adjust the screen quality.
Press the **ENTER** button.



Coarse 50
Fine 93
Position ▷
Image Reset ▷

Position
Adjust the PC’s screen positioning if it does not fit the TV screen.
Press the ▲ or ▼ button to adjusting the Vertical-Position.
Press the ◀ or ▶ button to adjust the Horizontal-Position.
Press the **ENTER** button.

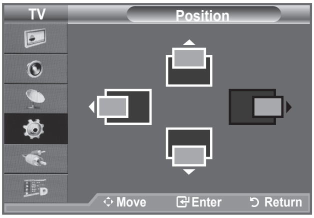
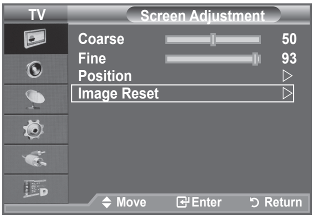


Image Reset
You can replace all image settings with the factory default values.



Coarse 50
Fine 93
Position ▷
Image Reset ▷

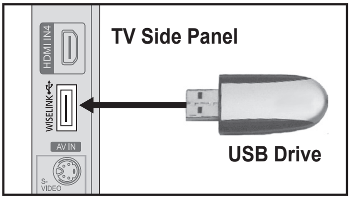
Using the WISELINK Function

This function enables you to view and listen to photo (JPEG) and audio files (MP3) saved on a USB Mass Storage Class (MSC) device.

Press the **POWER** button on the remote control or your set.

Connect a USB device containing JPEG and/or MP3 files to the WISELINK jack (USB jack) on the side of the TV.

If you enter the WISELINK mode with no USB device connected the message "There is no device connected" will appear. In this case, insert the USB device, exit the screen by pressing the **W.LINK** button on the remote control and enter the WISELINK screen again.



Only alphanumeric characters must be used as a folder name or filename (photo, music).

The file system only supports FAT16/32 (The NTFS file system is not supported)

Certain types of USB Digital camera and audio devices may not be compatible with this TV.

Wiselink only supports the USB Mass Storage Class device (MSC). MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers (Both USB HDD and HUB are not supported.)

Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data.SAMSUNG is not responsible for any data file damage or data loss.

Please connect directly to the USB port of your TV. If you are using a separate cable connection, there may be a USB Compatibility problem.

Only MP3 and JPEG file formats are supported.

The Wiselink mp3 format only supports music files with a high sampling frequency (32 kHz, 44.1 kHz, or 48 kHz).

We recommend the sequential jpeg format.

Do not disconnect the USB device while it is loading.

MTP (Media Transfer Protocol) is not supported.

The playing duration of an mp3 file may be displayed as '00:00:00' if its playing time information is not found at the start of the file.

The higher the resolution of the image, the longer it takes to display on the screen.

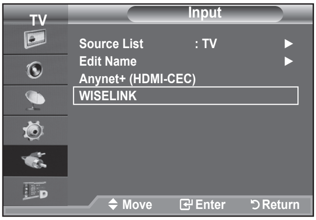
The Photo or Music List displays up to 300 folders or files.

Loading may take some time depending on the size of the file.

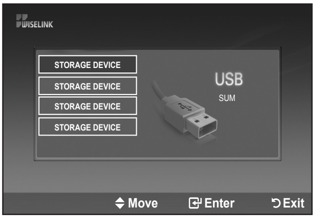
MP3 files with DRM that have been downloaded from a non-free site cannot be played.
Digital Rights Management (DRM) is a technology that supports the creation of content, the distribution and management of the content in an integrated and comprehensive way, including the protection of the rights and interests of the content providers, the prevention of the illegal copying of contents, as well as managing billings and settlements.

Using the WISELINK Menu

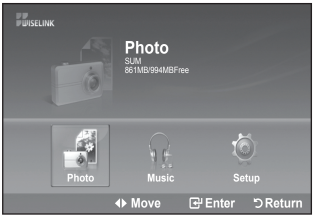
1. Press the **MENU** button. Press the ▲ or ▼ button to select "Input", then press the **ENTER↵** button.
2. Press the ▲ or ▼ button to select "WISELINK", then press the **ENTER↵** button.


TV
Input
Source List : TV ▶
Edit Name ▶
Anynet+ (HDMI-CEC)
WISELINK
Move
Enter
Return

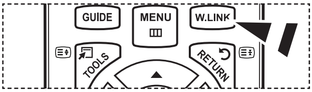
3. Press the ▲ or ▼ button to select the corresponding USB Memory Device, then press the **ENTER↵** button.
   - ➢ The "WISELINK" menu differs depending on the USB Memory Device connected to TV.
   - ➢ Some devices may not be supported due to compatibility problems.


WISELINK
STORAGE DEVICE
STORAGE DEVICE
STORAGE DEVICE
STORAGE DEVICE
USB
SUM
Move
Enter
Exit

4. Press the ◀ or ▶ button to move to an icon, then press the **ENTER↵** button.
   - ➢ To exit "WISELINK" mode, press the **W.LINK** button on the remote control.


WISELINK
Photo
SUM
861MB/994MBFree
Photo
Music
Setup
Move
Enter
Return

Press the **W.LINK** button on the remote control to display a WISELINK menu.

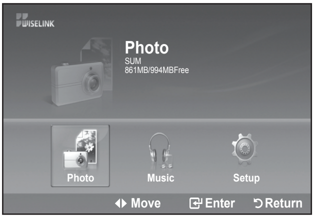

GUIDE
MENU
W.LINK
TOOLS
RETURN

Using the Remote Control Button in WISELINK Menu

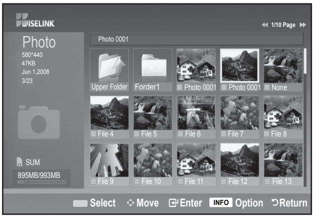
Button	Operations
▲/ ▼/ ◀/ ▶	Move the cursor and select an item.
ENTER↵	Select the currently selected item.
▶	Play the Slide Show or MP3 file.
II	Pause the Slide Show or MP3 file.
RETURN	Return to the previous menu.
INFO	Run various functions from the Photo and Music menus.
■	Stop the current slide show or MP3 file.
◀◀ ▶▶	Page Up or Down (file list item)
EXIT	Stop the current function and return to the previous high-level menu.

Using the PHOTO (JPEG) List

This menu shows JPEG files and folders saved on an USB memory device.


WISELINK
Photo
SUM
861MB/994MBFree
Photo
Music
Setup
◄► Move
Enter
Return

1. **1.** Complete Steps 1 to 3 of “Using the WISELINK Menu”. (Refer to page 49)
2. **2.** Press the ◄ or ► button to move to “Photo”, then press the **ENTER** button. The saved file information is displayed as a folder or file.
3. **3.** Press the ▲, ▼, ◄ and ► buttons to select a file.
    - Pressing the **ENTER** button over a photo icon shows the currently selected photo in full screen.
    - Pressing the **ENTER** button over a folder icon shows the JPEG files included in the folder.


WISELINK
1/10 Page
Photo
580*440
47KB
Jun 1,2008
3/23
Photo 0001
Upper Folder
Forder1
Photo 0001
Photo 0001
None
File 4
File 5
File 6
File 7
File 8
SUM
895MB/993MB
File 9
File 10
File 11
File 12
File 13
Select
Move
Enter
INFO Option
Return

To exit "WISELINK" mode, press the **W.LINK** button on the remote control.

➣ Moving to a photo may take a few seconds to load the file. At this point, the ⧗ Loading icon will appear at the top left of the screen.

➣ It takes time to show JPEG files as Thumbnail images.

➣ This menu only shows files whose file extension is jpg. Files of other formats such as bmp or tiff will not be displayed.

➣ The files are displayed on a page. 15 thumbnail photos are displayed per page.

➣ The thumbnails are numbered from left to right and from top to bottom, from 1 to 15.

➣ Certain types of USB Digital camera and audio devices may not be compatible with this TV.

➣ Folders are displayed first and they are followed by all JPEG files in the current folder.

➣ The folders and JPEG files appear in the order of the time they were saved to the USB memory device.

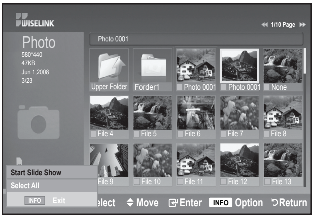
➣ If the photo is displayed in full screen, you can zoom in and out or rotate the photo on the screen.

➣ While a full screen is displayed, ◄ or ► button will let you see another photo image in the same folder.

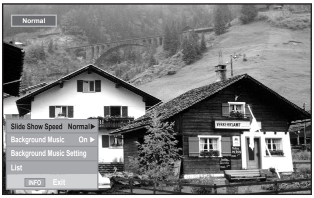
➣ Press the ▶ button when a Photo icon is selected to start a Slide Show.

➣ Photos without EXIF information may not be displayed as thumbnail images in the PHOTO LIST depending on the picture quality and resolution.

Viewing a Slide Show


WISELINK
1/10 Page
Photo
580*440
47KB
Jun 1,2008
3/23
Photo 0001
Upper Folder
Forder1
Photo 0001
Photo 0001
None
File 4
File 5
File 6
File 7
File 8
File 9
File 10
File 11
File 12
File 13
Start Slide Show
Select All
INFO Exit
elect
Move
Enter
INFO Option
Return

4. **4.** Press the **INFO** button to display the option("Start Slide Show", "Select All").
5. **5.** Press the ▲ or ▼ button to select “Start Slide Show” then press the **ENTER** button.
    ➣ During the slide show, files are displayed in order from the currently shown file.
    ➣ MP3 files can be automatically played during the Slide Show if the Default Background Music is set to On. To enable this function, MP3 files and other photo files must be located in the same folder on the USB Memory Device.
6. **6.** Press the **INFO** button during the slide show to set the following options ("Slide Show Speed", "Background Music", "Background Music Setting", "List"). Press the ▲ or ▼ button to select the option, then press the **ENTER** button.
    - After setting the option press the **ENTER** button to make a change.

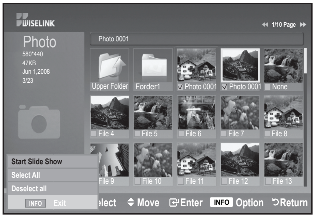

Normal
Slide Show Speed Normal ►
Background Music On ►
Background Music Setting
List
INFO Exit

Using the Menu in the Photo List

Start Slide Show:
You can start a Slide Show.

Select All:
Select all the files in the folder.

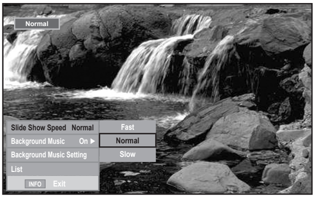
Deselect all:
Deselect all the files in the folder.


WISELINK
1/10 Page
Photo
580*440
47KB
Jun 1,2008
3/23
Photo 0001
Upper Folder
Forder1
Photo 0001
Photo 0001
None
File 4
File 5
File 6
File 7
File 8
File 9
File 10
File 11
File 12
File 13
Start Slide Show
Select All
Deselect all
INFO Exit
elect
Move
Enter
INFO Option
Return

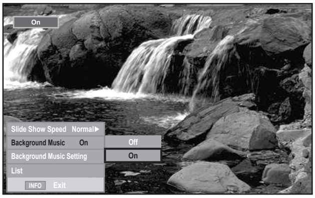
Using the Menu during a Slide Show

Slide Show Speed:
Select to control the slide show speed.

Press the ▲ or ▼ button to select the required option ("Fast", "Normal", "Slow"), then press the **ENTER**⏎ button.


Normal
Slide Show Speed Normal
Background Music On ▶
Background Music Setting
List
INFO Exit
Fast
Normal
Slow

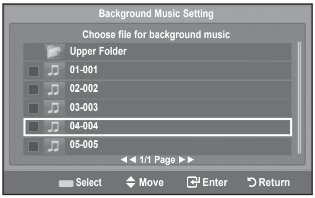
Background Music:
Select to choose whether you want to play an MP3 file during a slide show.
Press the ▲ or ▼ button to select the required option ("On", "Off"), then press the **ENTER**⏎ button.


On
Slide Show Speed Normal▶
Background Music On
Background Music Setting
List
INFO Exit
Off
On

Background Music Setting:
While the slide show is in progress, MP3 files and folders under the same directory are displayed.

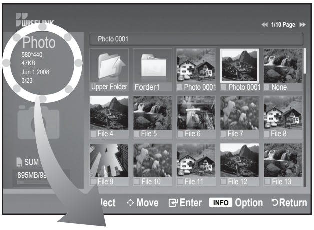
Press the ▲ or ▼ button to select a music file, then press the yellow button.
The (✓) mark appears to the left of the selected music.
Repeat the above operation to select multiple music files.
Press the **ENTER**⏎ button.

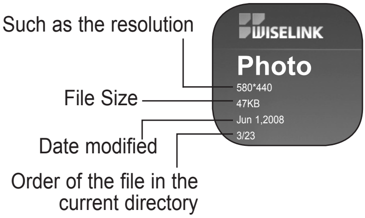
➢ If you turn Off the Background Music, even if the Background Music Settings have been set up, the background music will not be played.


Background Music Setting
Choose file for background music
Upper Folder
01-001
02-002
03-003
04-004
05-005
◄◄ 1/1 Page ►►
Select
Move
Enter
Return

List:
The file information is displayed as a folder or JPEG file. To exit "WISELINK" mode, press the **W.LINK** button on the remote control.

➢ When selecting a photo file, the photo file information is displayed on the left side of the TV screen, such as the resolution, the date modified and the order of the file in the current directory (e.g. 10th out of 15).


WISELINK
1/10 Page
Photo
580*440
47KB
Jun 1,2008
3/23
Photo 0001
Upper Folder
Forder1
Photo 0001
Photo 0001
None
File 4
File 5
File 6
File 7
File 8
File 9
File 10
File 11
File 12
File 13
SUM
895MB/99
lect
Move
Enter
INFO Option
Return

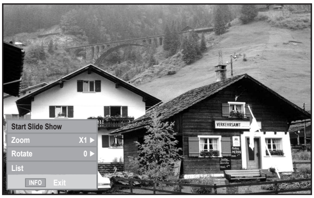

Such as the resolution
File Size
Date modified
Order of the file in the current directory
WISELINK
Photo
580*440
47KB
Jun 1,2008
3/23

: Folder icon

: Photo icon

: Move to the previous folder stage icon

Using the Option Menu

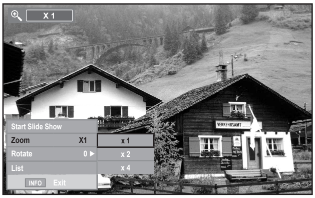

Start Slide Show
Zoom X1 ▶
Rotate 0 ▶
List
INFO Exit
VERKEHRSAMT

1. Complete Steps 1 to 3 of “Using the WISELINK Menu”. (Refer to page 49)
2. Press the ◀ or ▶ button to move to “Photo”, then press the **ENTER** button. The saved file information is displayed as a folder or file.
3. Press the ▲, ▼, ◀ and ▶ button to select a file, then press the **ENTER** button. Pressing the button over a photo thumbnail displays the photo in full screen.
4. Press the **INFO** button to display the option. ("Start Slide Show" , "Zoom", "Rotate", "List")

Start Slide Show:

- Press the ▲ or ▼ button to select “Start Slide Show”, then press the **ENTER** button. You can start a Slide Show.

Zoom:


X 1
Start Slide Show
Zoom X1
Rotate 0 ▶
List
INFO Exit
x 1
x 2
x 4
VERKEHRSAMT

- Press the ▲ or ▼ button to select “Zoom”, then press the **ENTER** button.
- Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button. (X1, X2, X4)

➣ To pan up/down/left/right in the zoomed-in photo, press the **INFO** button to exit option menu, then press the ▲, ▼, ◀ and ▶ buttons.

➣ "Start Slide Show" or "Rotate" is disabled when the "Zoom" option is selected.

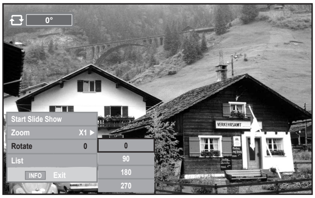
➣ " x1 " : Restore a photo to its original size.

" x2 " : Zoom-in to a photo x2.

" x4" : Zoom-in to a photo x4.

▼ / ▲ / ◀ / ▶ : Move the zoomed-in photo up/down/right/left.

Rotate:


0°
Start Slide Show
Zoom X1 ▶
Rotate 0
List
INFO Exit
0
90
180
270
VERKEHRSAMT

- Press the ▲ or ▼ button to select “Rotate”, then press the **ENTER** button.
- Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button. (0°, 90°, 180°, 270°)

➣ The rotated file is not saved.

➣ "Start Slide Show" or "Zoom" is disabled when the “Rotate” option is selected.

➣ "0°" : This rotates a photo to its original position

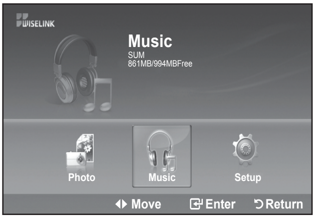
"90°" : This rotates a photo by 90 degrees

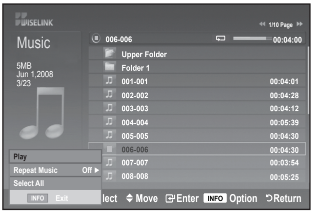
"180°" : This rotates a photo by 180 degrees

"270°" : This rotates a photo by 270 degrees

Using the MP3 List

This menu shows MP3 files from among the files saved on a USB memory device.


WISELINK
Music
SUM
861MB/994MBFree
Photo
Music
Setup
◀▶ Move
Enter
Return


WISELINK
1/10 Page
Music
5MB
Jun 1,2008
3/23
006-006
00:04:00
Upper Folder
Folder 1
001-001 00:04:01
002-002 00:04:28
003-003 00:04:12
004-004 00:05:39
005-005 00:04:30
006-006 00:04:30
007-007 00:03:54
008-008 00:05:25
Play
Repeat Music Off ▶
Select All
INFO Exit
lect
Move
Enter
INFO Option
Return

1. **1.** Complete Steps 1 to 3 of “Using the WISELINK Menu”. (Refer to page 49)
2. **2.** Press the ◀ or ▶ button to move to “Music”, then press the **ENTER**⏎ button. The saved file information is displayed as a folder or file.
3. **3.** Press the ▲ or ▼ button to move to an icon, then press the **ENTER**⏎ button.
   - Pressing the **ENTER**⏎ button over a musical note icon immediately plays the music file**.**
   - Pressing the **ENTER**⏎ button over a folder icon shows the music files included in the folder.
   - To select a file on the next page, press the ⏪ or ⏩ button to move to the next page.
4. **4.** To select all files or a file, press the **INFO** button to display the Music menus. Press the **ENTER**⏎ button to select “Play”, “Repeat Music” or “Select All”.

   To exit "WISELINK" mode, press the **W.LINK** button on the remote control.

➣ The folders and MP3 files appear in the order of the time they were saved to the USB memory device.

: Folder icon

: Music icon

: Move to the previous folder stage icon

Using the Option Menu

Play:
Select to play MP3 files.

➣ Press the ⏸ button while playing an MP3 file to pause the file.

➣ Press the ■ button to exit Play mode.

➣ This menu only shows files with the MP3 file extension. Files with other file extensions are not displayed, even if they are saved on the same USB device.

➣ The selected file is displayed on the top with its playing time.

➣ To adjust the music volume, press the **–** ◢ **+** button on the remote control. To mute the sound, press the **MUTE** button on the remote control.

➣ If the sound is odd when playing MP3 files, exit WISELINK mode and adjust the “Equalizer” and “SRS TS XT” in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)

Repeat Music:
Select to repeatedly play MP3 files in the current folder.
You can select On or Off.

Select All:
Select all the files in the folder.

Deselect all:
Deselect all the files in the folder.

Music function information icon

🔁 : When all music files in the folder (or the selected file) are repeated. “Repeat Music” is “On”.

⟲ : When all music files in the folder (or the selected file) are played once. “Repeat Music” is “Off”.

▶ / ⏸ : When pressing the ▶ / ⏸ button on the remote control while music is playing.

■ : When pressing the ■ button on the remote control when music is stopped.

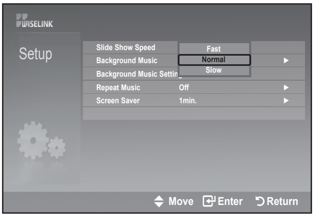
Using the Setup Menu

Setup displays the user settings of the WISELINK menu.

1. Complete Steps 1 to 3 of “Using the WISELINK Menu”.
   (Refer to page 49)
2. Press the ◄ or ► button to move to “Setup”, then press the **ENTER**⏎ button.
3. Press the ▲ or ▼ button to select an item you want, then press the **ENTER**⏎ button. (“Slide Show Speed”, “Background Music”, “Background Music Setting”, “Repeat Music”, “Screen Saver”)
4. Press the ▲ or ▼ button to select the option, then press the **ENTER**⏎ button.
   To exit WISELINK mode, press the **W.LINK** button on the remote control.

Slide Show Speed:

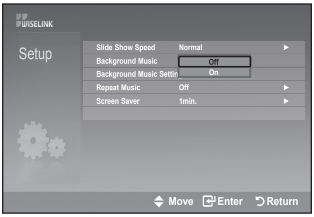
Select to control the slide show speed. You can select “Fast”, “Normal” or “Slow”.



Slide Show Speed: Fast / Normal / Slow
Background Music
Background Music Settin
Repeat Music: Off
Screen Saver: 1min.

Background Music :

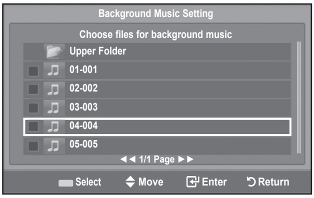
Select to determine whether to play an MP3 file during a slide show. You can select Music “On” or Music “Off”.



Slide Show Speed: Normal
Background Music: Off / On
Background Music Settin
Repeat Music: Off
Screen Saver: 1min.

Background Music Setting:

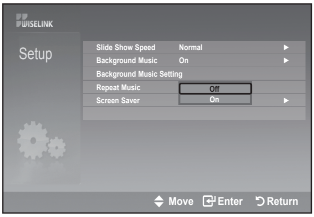
While a slide show is in progress, use the "Background Music Setting" to select a music file to listen to. Select an MP3 file as the background music.



Choose files for background music
Upper Folder
☐ 01-001
☐ 02-002
☐ 03-003
☐ 04-004
☐ 05-005
◄◄ 1/1 Page ►►

Repeat Music :

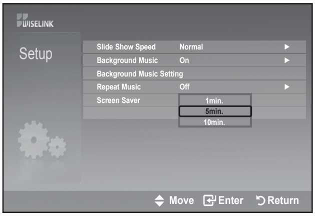
Select to determine whether to repeat playing the music when all MP3 files in the current folder have been played.



Slide Show Speed: Normal
Background Music: On
Background Music Setting
Repeat Music: Off / On
Screen Saver

Screen Saver:

Select to set the waiting time before the screen saver appears. The screensaver will appear when no button is pressed for 1, 5 or 10 minutes.



Slide Show Speed: Normal
Background Music: On
Background Music Setting
Repeat Music: Off
Screen Saver: 1min. / 5min. / 10min.

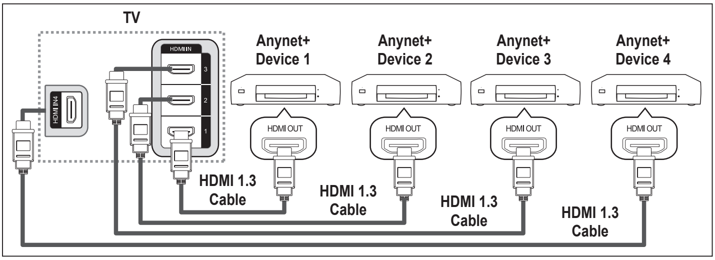
What is Anynet+?

Anynet+ is an AV network system that enables an easy-to-use AV interface for users by controlling all connected AV devices through the Anynet+ menu when Samsung Electronics AV devices are connected.

Connecting Anynet+ Devices

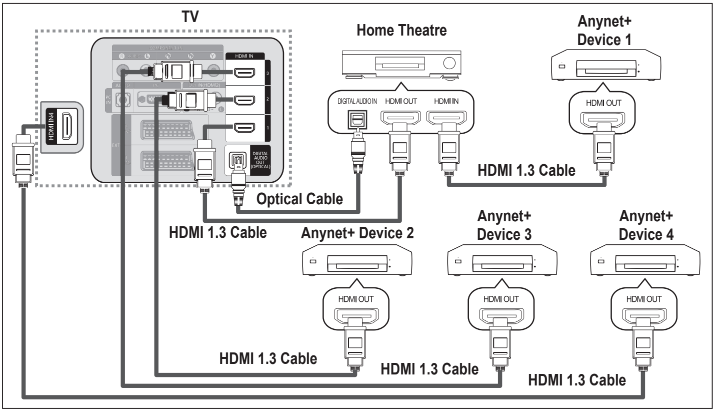
The Anynet+ system supports AV devices supporting Anynet+ only.
Check if there is an Anynet+ mark on the AV device to be connected to the TV.

To directly connect to TV


TV
HDMI IN
3
2
1
HDMI IN4
Anynet+ Device 1
Anynet+ Device 2
Anynet+ Device 3
Anynet+ Device 4
HDMI OUT
HDMI OUT
HDMI OUT
HDMI OUT
HDMI 1.3 Cable
HDMI 1.3 Cable
HDMI 1.3 Cable
HDMI 1.3 Cable

Connect the [HDMI 1], [HDMI 2], [HDMI 3] or [HDMI 4] jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

To connect to Home Theater


TV
HDMI IN
3
2
1
HDMI IN4
DIGITAL AUDIO OUT (OPTICAL)
Home Theatre
DIGITAL AUDIO IN
HDMI OUT
HDMI IN
Anynet+ Device 1
HDMI OUT
HDMI 1.3 Cable
Optical Cable
HDMI 1.3 Cable
Anynet+ Device 2
Anynet+ Device 3
Anynet+ Device 4
HDMI OUT
HDMI OUT
HDMI OUT
HDMI 1.3 Cable
HDMI 1.3 Cable
HDMI 1.3 Cable

1. Connect the [HDMI 1], [HDMI 2], [HDMI 3] or [HDMI 4] jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.
2. Connect the HDMI IN jack of the home theatre and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

- ➣ Connect only the optical cable between [Digital Audio Out (Optical)] on your TV and Digital Audio Input on the receiver.
- ➣ Connect only one receiver.
- ➣ You can listen to 5.1 channel sound through the home theatre's speakers. Otherwise, you can only listen to 2 channel stereo sound in other cases. Make sure to connect the Digital Audio IN (Optical) of the home theatre and the TV correctly to listen to TV sound through the home theatre. However, you cannot listen to sound from the BD recorder that is sent to the home theatre via the TV in 5.1 channel sound because the TV outputs only 2 channel stereo sound. Please see the manual for the home theatre.
- ➣ You can connect an Anynet+ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet+ functions.
- ➣ Anynet+ works when the AV device supporting Anynet+ is in the Standby or On status.
- ➣ Anynet+ supports up to 8 AV devices in total.

Setting Up Anynet+

The following settings are to use Anynet+ functions.

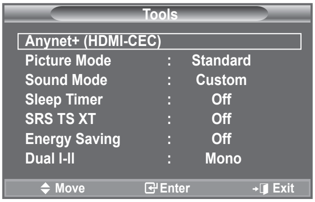
Using the Anynet+ Function

1. Press The **TOOLS** button. Then Press the **ENTER**⏎ button to select "Anynet+(HDMI-CEC)".
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER**⏎ button.
2. Press the **ENTER**⏎ button to select "Anynet+ (HDMI-CEC)", then press the **ENTER**⏎ button.
3. Press the ▲ or ▼ button to select "On", then press the **ENTER**⏎ button.

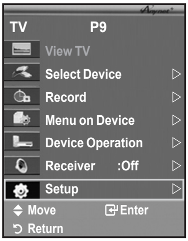
➣ The "Anynet+ (HDMI-CEC)" function is enabled.

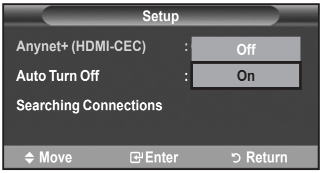
➣ If you select "Off", "Anynet+ (HDMI-CEC)" is disabled.

➣ When the "Anynet+ (HDMI-CEC)" function is disabled, all the Anynet+ related operations are deactivated.


Tools
Anynet+ (HDMI-CEC)
Move
Enter
Exit

Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
SRS TS XT : Off
Energy Saving : Off
Dual I-II : Mono


Anynet+
TV P9
View TV
Select Device
Record
Menu on Device
Device Operation
Receiver :Off
Setup
Move
Enter
Return

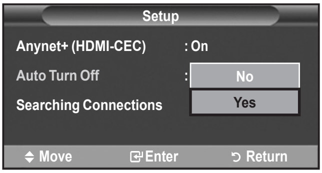

Setup
Anynet+ (HDMI-CEC) :
Off
On
Auto Turn Off :
Searching Connections
Move
Enter
Return

Turning an Anynet+ Device Off Automatically when the TV is Turned Off

1. Press the ▲ or ▼ button to select "Auto Turn Off", then press the **ENTER**⏎ button.
2. Press the ▲ or ▼ button to select "Yes", then press the **ENTER**⏎ button.
   ➣ The Auto turn off function is enabled.
   ➣ If you select "No", the Auto turn off function is cancelled.
   Press the **EXIT** button to exit.

➣ The Select Device setting of the TV remote control is to be set to TV to use the Anynet+ function.

➣ If you set "Auto Turn Off" to "Yes", connected external devices are also turned off when the TV is turned off. However, if the device is recording, it may not be turned off.

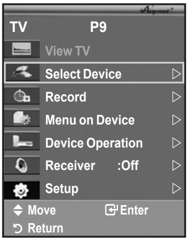

Setup
Auto Turn Off :
No
Yes
Searching Connections
Move
Enter
Return

Anynet+ (HDMI-CEC) : On

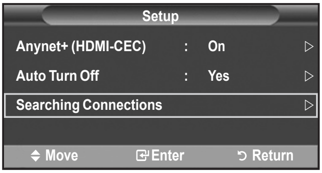
Scanning and Switching between Anynet+ Devices

1. Press the **TOOLS** button.
   Then press the **ENTER**⏎ button to select "Anynet+(HDMI-CEC)".
2. Press the ▲ or ▼ button to select "Select Device", then press the **ENTER**⏎ button.
3. Press the ▲ or ▼ button to select to a particular device and press the **ENTER**⏎ button. It is switched to the selected device.
4. If you cannot find a device you want, press the ▲ or ▼ button to select "Setup", then press the **ENTER**⏎ button.
5. Press the ▲ or ▼ button to select "Searching Connections", then press the **ENTER**⏎ button.

   The message "Configuring Anynet+ connection..." is displayed. When searching devices completes, the connected devices are listed in the Anynet+ menu.



Receiver :Off



Anynet+ (HDMI-CEC) : On

Auto Turn Off : Yes

➢ Switching to the selected devices may take up to 2 minutes. You cannot cancel the operation during the switching operation.

➢ The time required to scan for devices is determined by the number of connected devices.

➢ When the device scan is complete, the number of found devices is not displayed.

➢ Although the TV automatically scans devices when it is turned on using the **POWER** button, devices connected when the TV is on or under a specific circumstance are not displayed in the device list. Therefore select "Searching Connections" menu to search devices.

➢ If you have selected external input mode by pressing the **SOURCE** button, you cannot use the Anynet+ function. Make sure to switch to an Anynet+ device by using the **TOOLS** button.

Anynet+ Menu

The Anynet+ menu changes depending on the type and status of the Anynet+ devices connected to the TV.

Anynet+ Menu	Description
View TV	Switches from Anynet+ to TV broadcast mode.
Select Device	Your TV connects to the corresponding device.
Record	Starts a recording. (This menu works only for a device supporting recording.)
Menu on Device	Shows the menu of the connected device. Example. When a DVD Recorder is connected, the DVD Recorder's title menu appears.
Device Operation	Shows the play control menu of the connected device. Example. When a DVD Recorder is connected, the play control menu of the DVD Recorder appears.
Receiver	Sound is output through the receiver.
Setup	You can set the environment for using Anynet+.

TV Remote Control Buttons Available in Anynet+ Mode

Device Type	Operating Status	Available Buttons
Anynet+ Device	After switching to the device, when the menu of the corresponding device is displayed on the screen.	Numeric buttons ▲/▼/◄/►/**ENTER**↵ buttons Colour buttons **EXIT** button
	After switching to the device, while playing a file	⏪ (Backward search)/ ⏩ (Forward search)/ ⏹ (Stop)/ ▶ (Play)/ ⏸ (Pause)
Device with built-in Tuner	After switching to the device, when you are watching a TV programme	**P** ∧ / ∨ button
Audio Device	When Receiver is activated	◢ + / – button **MUTE** button

- ➢ The Anynet+ function only works when the remote control is set to TV.
- ➢ The ⏺ button works only while in the recordable state.
- ➢ You cannot control Anynet+ devices using the buttons on the TV. You can control Anynet+ devices only using the TV remote control.
- ➢ The TV remote control may not work under certain conditions. In this case, re-select the Anynet+ device.
- ➢ The Anynet+ functions don't operate for the products from other manufacturers.
- ➢ In Anynet+ mode, the colour buttons may not work properly.
- ➢ The ⏪, ⏩ operations may differ depending on the device.

Recording

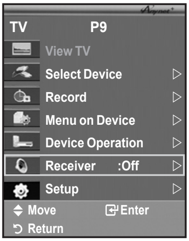
You can make a recording of a TV programme using a recorder.

Press the ⦿ button.
Recording begins. (Only when the Anynet+ enabled recording device is connected.)

- ➢ The current TV programme is recorded in the Watching TV status. If you are watching video from another device, the video from the device is recorded.
- ➢ You can also record the source streams by selecting "Record" after pressing the **TOOLS** button.
- ➢ Before recording, check whether the antenna jack is properly connected to the recording device. For the antenna connection to the recording device, refer to its user manual.

Listening through a Receiver

You can listen to sound through a receiver instead of the TV speaker.



1. Press the **TOOLS** button. Then Press the **ENTER**⮐ button to select "Anynet+(HDMI-CEC)".
   Press the ▲ or ▼ button to select "Receiver", then press the **ENTER**⮐ button.
2. Press the ◄ or ► button to select to "On", then press the **ENTER**⮐ button.
   Now you can listen to sound through the receiver.
3. Press the **EXIT** button to exit.

- ➢ When the receiver is set to On, you can listen to the TV sound through the 2-channel receiver.
- ➢ If the receiver is exclusively for a home theatre only (supporting audio only), it may not appear in the device list.
- ➢ Only when you have connected the optical jack of the TV and the receiver properly, does Receiver work.
- ➢ In case of a content with copyright problem, listening through the receiver may not properly operate.
- ➢ If there is a power interruption to the TV when the “Receiver” is set to “On” (by disconnecting the power cord or a power failure), the “TV Speaker” may be set to “Off” when you turn the TV on again. (see page 24)

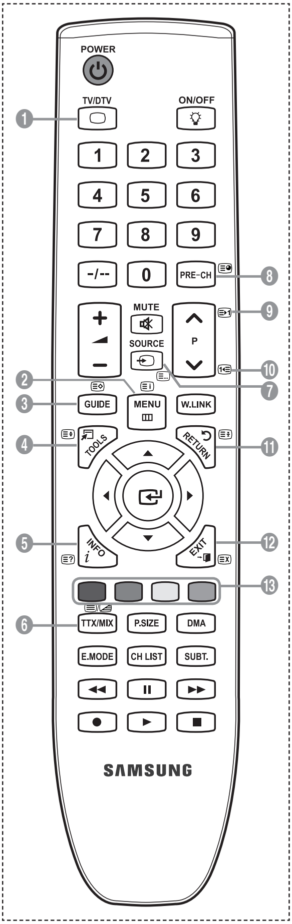
Check Points before Requesting Service

Symptom	Solution
Anynet+ does not work.	■ Check if the device is an Anynet+ device. The Anynet+ system supports Anynet+ devices only. ■ Connect only one receiver. ■ Check if the Anynet+ device power cord is properly connected. ■ Check the Anynet+ device’s Video/Audio/HDMI 1.3 cable connections. ■ Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu. ■ Check whether the TV remote control is in TV mode. ■ Check whether it is Anynet+ exclusive remote control. ■ Anynet+ doesn’t work at a certain condition. (Searching channels, Operating WISELINK, Plug & Play, etc.) ■ When connecting or removing the HDMI 1.3 cable, please make sure to search devices again or restart your TV. ■ Check if the Anynet+ Function of Anynet+ device is set on.
I want to start Anynet+.	■ Check if the Anynet+ device is properly connected to the TV and check if the Anynet+ (HDMI-CEC) is set to On in the Anynet+ Setup menu. ■ Press the **TV/DTV** button on the TV remote control to switch to TV. Then press the **TOOLS** button to show the Anynet+ menu and select a menu you want.
I want to exit Anynet+.	■ Select **View TV** in Anynet+ menu. ■ Press the **SOURCE** button on the TV remote control and select a device other than Anynet+ devices. ■ Press any of **P ∧ / ∨** and **PRE-CH** such to change to the TV mode. (Note that the channel button operates only when a tuner-embedded Anynet+ device is not connected.)
The Configuring Anynet+ connection message appears on the screen.	■ You cannot use the remote control when you are configuring Anynet+ or switching to a view mode. ■ Use the remote control when the Anynet+ setting or switching to view mode is complete.
The Anynet+ device does not play.	You cannot use the play function when Plug & Play is in progress.
The connected device is not displayed.	■ Check whether or not the device supports Anynet+ functions. ■ Check whether or not the HDMI 1.3 cable is properly connected. ■ Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu. ■ Search Anynet+ devices again. ■ You can connect an Anynet+ device using the HDMI 1.3 cable only. Some HDMI cables may not support Anynet+ functions. ■ If it is terminated by an abnormal situation such as disconnecting the HDMI 1.3 cable or power cord or a power failure, please repeat the device scan.
The TV programme cannot be recorded.	Check whether the antenna jack on the recording device is properly connected.
The TV sound is not output through the receiver.	Connect the optical cable between TV and the receiver.

Teletext Feature

Most television stations provide written information services via Teletext. The index page of the teletext service gives you information on how to use the service. In addition, you can select various options to suit your requirements by using the remote control buttons.

➢ For teletext information to be displayed correctly, channel reception must be stable. Otherwise, information may be missing or some pages may not be displayed.



❶ **▭ (exit)**
Exit from the teletext display

❷ **≣i (index)**
Used to display the index (contents) page at any time while you are viewing teletext.

❸ **≣◇ (store)**
Used to store the teletext pages.

❹ **≣⇕ (size)**
Press to display the double-size letters in the upper half of the screen. For lower half of the screen, press it again. To display normal screen, press it once again.

❺ **≣? (reveal)**
Used to display the hidden text (answers to quiz games, for example). To display normal screen, press it again.

❻ **≣/◪ (teletext on/mix)**
Press to activate teletext mode after selecting the channel providing the teletext service. Press it twice to overlap the teletext with the current broadcasting screen.

❼ **≣… (mode)**
Press to select the teletext mode (LIST/FLOF). If you press it in the LIST mode, it switches into the List save mode. In the List save mode, you can save teletext page into list using the ≣◇(store) button.

❽ **≣● (sub-page)**
Used to display the available sub-page.

❾ **≣↦ (page up)**
Used to display the next teletext page.

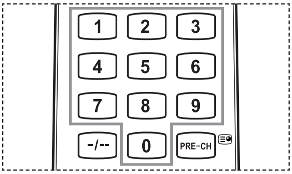
❿ **↤≣ (page down)**
Used to display the previous teletext page.

⓫ **≣⧗ (hold)**
Used to hold the display on a given page if the selected page is linked with several secondary pages which follow on automatically. To resume, press it again.

⓬ **≣✕ (cancel)**
Used to display the broadcast when searching for a page.

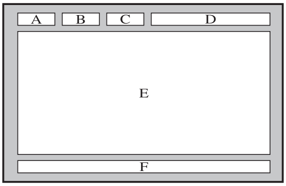
⓭ **Colour buttons (red/green/yellow/blue)**
If the FASTEXT system is used by a broadcasting company, the different topics covered on a teletext page are colour-coded and can be selected by pressing the coloured buttons. Press one of them corresponding to the required. The page is displayed with other coloured information that can be selected in the same way. To display the previous or next page, press the corresponding coloured button.

➢ You can change teletext pages by pressing the numeric buttons on the remote control.



The teletext pages are organized according to six categories:

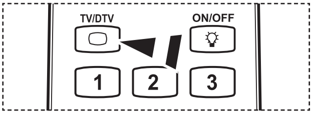
Part	Contents
A	Selected page number.
B	Broadcasting channel identity.
C	Current page number or search indications.
D	Date and time.
E	Text.
F	Status information. FASTEXT information.



➢ Teletext information is often divided between several pages displayed in sequence, which can be accessed by:

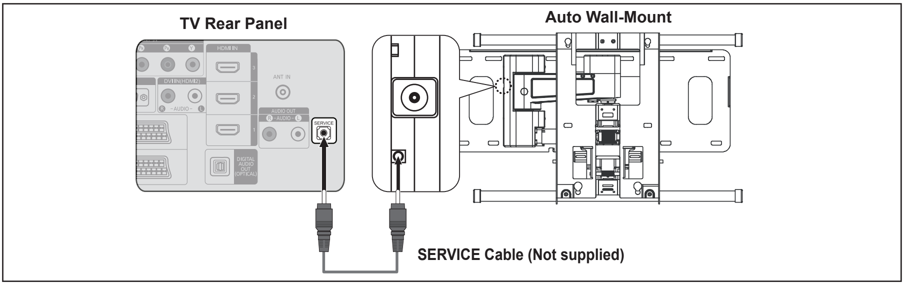
- ◆ Entering the page number
- ◆ Selecting a title in a list
- ◆ Selecting a coloured heading (FASTEXT system)

➢ Press the **TV/DTV** button to exit from the teletext display.



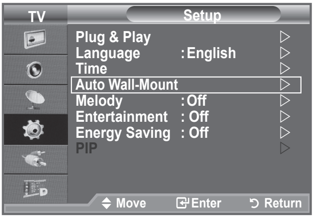
Auto Wall-Mount (Sold separately)

Once the auto wall mount is installed, your TV's position can be easily adjusted.



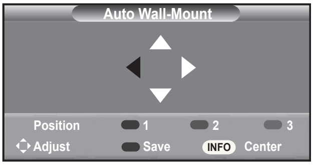
Entering the menu

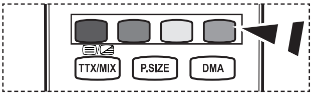
1. Press the ▲, ▼, ◀ or ▶ button on your remote control.
   - ➢ The Auto Wall-Mount screen is displayed.
   - ➢ If the Auto Wall-Mount screen is not displayed when clicking on a direction button while watching your TV, use the menu to display that screen.
     - • Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select "Setup", then press the **ENTER↵** button.
     - • Press the ▲ or ▼ button to select "Auto Wall-Mount", then press the **ENTER↵** button.

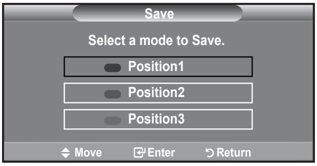

TV
Setup
Plug & Play ▷
Language : English ▷
Time ▷
Auto Wall-Mount ▷
Melody : Off ▷
Entertainment : Off ▷
Energy Saving : Off ▷
PIP ▷
⇕ Move ↵ Enter ↺ Return

Remembering the Position

2. Adjust to the desired position using the ▲,▼,◀,▶ buttons.
   - ➢ If you press an arrow button when no OSD is displayed on the TV screen, the Adjustment screen appears.
   - ➢ Press the **INFO** button to reset. Press the ◀ or ▶ button to select "Yes", then press the **ENTER↵** button. The position is initialized to the default setting.
3. Press the blue button. Press the ▲ and ▼ buttons to select a save mode from either Position 1, Position 2 or Position 3 in order to save the current position.
   - ➢ To not save the current position, press the **RETURN** button.
   - ➢ When selecting a save mode, you cannot use the Colour buttons.
4. Press the **ENTER↵** button to save.
   - ➢ When Position1 is selected, the message "Current position saved as Position1" is displayed.
5. Press the **ENTER↵** button.
   - ➢ The saved Position appears on the left side of the OSD.

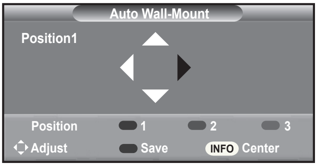

Auto Wall-Mount
Position ● 1 ● 2 ● 3
Adjust ● Save INFO Center




Save
Select a mode to Save.
● Position1
● Position2
● Position3
⇕ Move ↵ Enter ↺ Return

Moving to the remembered position

1. Complete Step 1 of “Entering the menu”.
2. Pressing a Colour (Red, Green, Yellow) button moves the auto wall mount to the saved position.
   ➣ You can move the wall mount to one of the 3 pre-set positions by pressing the Red (Position 1), Green (Position 2) or Yellow (Position 3) buttons.
   ➣ If you adjust the position after moving to a pre-set position, the position display will disappear.



➣ For installation, refer to the Installation Manual provided with the wall mount.

➣ For product installation and the installation and moving of the wall mount, make sure to consult a specialized installation company.

➣ This installation manual is to be used when attaching the wall mount to a wall. When attaching to other building materials, please contact your nearest dealer.

➣ The auto wall mount will not work when Anynet+ and WISELINK are operating.

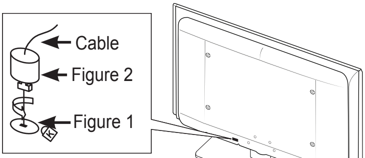
➣ 37, 40 and 46 inch models are not compatible with the old electrically powered wall mount model (WMN5090A*).

Using the Anti-Theft Kensington Lock (depending on the model)

The Kensington Lock is a device used to physically fix the system when using it in a public place. The appearance and locking method may differ from the illustration depending on the manufacturer. Refer to the manual provided with the Kensington Lock for proper use. The locking device has to be purchased separately.

1. Insert the locking device into the Kensington slot on the LCD TV (Figure 1), and turn it in the locking direction (Figure 2).
2. Connect the Kensington Lock cable.
3. Fix the Kensington Lock to a desk or a heavy stationary object.

➣ The place of the Kensington Lock may be different depending on its model.



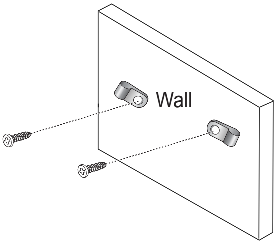
<Optional>

Securing the TV to the Wall

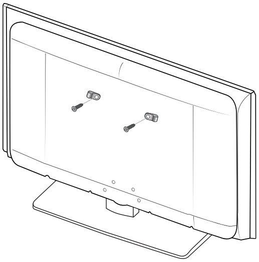
⚠ **Caution:** Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, causing serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

To avoid the TV from falling:

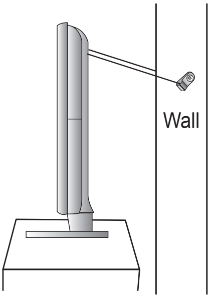
1. Put the screws into the clamps and firmly fasten them onto the wall. Confirm that the screws have been firmly installed onto the wall.
- ➣ You may need additional material such as an anchor depending on the type of wall.
- ➣ Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.



2. Remove the screws from the center back of the TV, put the screws into the clamps, and then fasten the screws onto the TV again.
- ➣ Screws may not be supplied with the product. In this case, please purchase the screws of the following specifications.
  Screw Specifications
  - For a 17 ~ 29 Inch LCD TV: M4 X 15
  - For a 32 ~ 40 Inch LCD TV: M6 X 15



3. Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong string and then tie the string tightly.
- ➣ Install the TV near to the wall so that it does not fall backwards.
- ➣ It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV.
- ➣ Untie the string before moving the TV.



4. Verify all connections are properly secured. Periodically check connections for any sign of fatigue for failure.
If you have any doubt about the security of your connections,contact a professional installer.

Troubleshooting: Before Contacting Service Personnel

No sound or picture	♦ Check that the mains lead has been connected to a wall socket. ♦ Check that you have pressed the ⏻ button on your set. ♦ Check the picture contrast and brightness settings. ♦ Check the volume.
Normal picture but no sound	♦ Check the volume. ♦ Check whether the **MUTE**🔇 button has been pressed on the remote control. ♦ Check if "TV Speaker" is "on"
Screen is black and power indicator light blinks steadily	♦ On your computer check; Power, Signal Cable. ♦ The TV is using its power management system. ♦ Move the computer’s mouse or press any key on the keyboard.
No picture or black and white picture	♦ Adjust the colour settings. ♦ Check that the broadcast system selected is correct.
Sound and picture interference	♦ Try to identify the electrical appliance that is affecting the set and move it further away. ♦ Plug your set into a different mains socket.
Blurred or snowy picture, distorted sound	♦ Check the direction, location and connections of your aerial. This interference is often due to the use of an indoor aerial.
Remote control malfunctions	♦ Replace the remote control batteries. ♦ Clean the upper edge of the remote control (transmission window). ♦ Check the battery terminals.
'Check signal cable.' message is displayed	♦ Check that the signal cable is firmly connected to the PC or video sources. ♦ Check that the PC or video sources are turned on.
On PC mode, 'Not Supported Mode.' message is displayed	♦ Check the maximum resolution and the frequency of the video adaptor. ♦ Compare these values with the data in the Display Modes.
The damaged picture appears in the corner of the screen	If "Just Scan" is selected in some external devices, the damaged picture may appear in the corner of the screen. This symptom is caused by external devices, not TV.
The 'Resets all settings to the default values.' message appears.	This appears when you press and hold the **EXIT** button for a while. The product settings are reset to the factory defaults.
You may see small particles if you look closely at the edge of the bezel surrounding the TV screen.	This is part of the product’s design and is not a defect.
The TFT LCD panel uses a panel consisting of sub pixels (6 220 800) which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.	

Technical and Environmental Specifications

Model Name	**LE32A756**
Screen Size (Diagonal)	32 inch
PC Resolution	1920 x 1080 @ 60 Hz
Sound Output	10W x 2
Dimensions (WxDxH) Body With stand	826 x 81 x 530 mm 826 x 230 x 575 mm
Weight Body With stand	14 kg 16 kg
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	10 °C to 40 °C (50 °F to 104 °F) 10 % to 80 %, non-condensing -20 °C to 45 °C (-4 °F to 113 °F) 5 % to 95 %, non-condensing
Stand Swivel (Left / Right)	0˚

➢ Design and specifications are subject to change without prior notice.

➢ This device is a Class B digital apparatus.

➢ For the power supply and Power Consumption, refer to the label attached to the product.